

MINISTRY OF THE INTERIOR, EGYPT.

Department of Public Health.

# Annual Report on the Work of the Department of Public Health for 1924.



**Government Press, Cairo, 1927.**

To be obtained, either directly or through any Bookseller, from  
the GOVERNMENT PUBLICATIONS OFFICE, Ministry of Finance  
Dawawin P.O., Cairo.

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CONTENTS.

INTRODUCTION.

|  | PAGE. |
|--|-------|
| SECTION I ... ..                                 | 1     |
| GENERAL AND INFECTIOUS DISEASES HOSPITALS ... .. | 8     |
| INSPECTORATE OF PHARMACIES ... ..                | 9     |
| SECTION III ... ..                               | 11    |
| SECTION IV ... ..                                | 12    |
| FRONTIERS MEDICAL SECTION ... ..                 | 13    |
| LUNACY DIVISION ... ..                           | 14    |
| LABORATORIES ... ..                              | 17    |
| THE CENTRAL MEDICAL COMMISSION ... ..            | 20    |
| CENTRAL STORES ... ..                            | 20    |
| SANITARY INSPECTION SECTION... ..                | 21    |
| D.P.H. "ARRÊTÉS" ... ..                          | 21    |
| MEDICAL PERMITS ... ..                           | 22    |

SECTION I.

|  |    |
|--|----|
| 1.—VITAL STATISTICS ... ..                                     | 23 |
| 2.—UNHEALTHY, INCONVENIENT AND DANGEROUS ESTABLISHMENTS ... .. | 25 |
| 3.—CEMETERIES AND PRIVATE TOMBS ... ..                         | 32 |
| 4.—"BIRKAS" ... ..   | 33 |
| 5.—MOSQUES ... ..  | 34 |
| 6.—PROTECTION OF DRINKING WATER ... ..                         | 34 |
| 7.—SLAUGHTERHOUSES AND SLAUGHTERING SITES ... ..               | 34 |
| 8.—SEWAGE DEPOTOIRS ... ..                                     | 35 |
| 9.—PROSTITUTION... ..  | 35 |
| SANITARY INSPECTION SECTION ... ..                             | 37 |

HOSPITALS SECTION.

|  |     |
|--|-----|
| 1.—GENERAL... ..                                       | 43  |
| 2.—DISPENSARIES AND OUT-PATIENTS DEPARTMENTS ... ..    | 47  |
| 3.—CHILDREN'S DISPENSARIES AND SCHOOLS OF DAYAS ... .. | 48  |
| 4.—KASR EL AINI HOSPITAL :—                            |     |
| (a) Foreword ... ..                                    | 61  |
| (b) Report on the Anthelmintic Section ... ..          | 61  |
| (c) In-Patients Statistics ... ..                      | 63  |
| 5.—ALEXANDRIA HOSPITALS :—                             |     |
| General Observations ... ..                            | 91  |
| Patients Statistics ... ..                             | 93  |
| INSPECTORATE OF PHARMACIES ... ..                      | 123 |

LUNACY DIVISION.

|  |     |
|--|-----|
| PART I.—REPORT OF THE LUNACY DIVISION ... ..               | 129 |
| PART II.—REPORT ON ABBASSIA HOSPITAL FOR THE INSANE ... .. | 141 |
| PART III.—REPORT ON KHANKA HOSPITAL FOR THE INSANE ... ..  | 148 |

SECTION III.

|                           |     |
|---------------------------|-----|
| OPHTHALMIC SECTION ... .. | 155 |
|---------------------------|-----|

SECTION IV.

|                                      |     |
|--------------------------------------|-----|
| EPIDEMICS SECTION ... ..             | 187 |
| FRONTIERS MEDICAL SECTION ... ..     | 239 |
| CAIRO CITY HEALTH INSPECTORATE... .. | 241 |





# Annual Report of the Department of Public Health for the Year 1924.

## INTRODUCTION.

### SECTION I.

#### I.—VITAL STATISTICS.

##### (a) POPULATION.

The population of Egypt is said to have been estimated properly in the following years : 1882, 1897, 1907 and 1917. Arrangements are now being made for the 1927 census.

The above-mentioned censuses were carried out according to modern principles, and although many difficulties were encountered, the figures obtained are of great value in connection with public health work.

It is expected that the 1927 census will be more accurate than previous ones, as the educational standard of the population has been raised, and they are, therefore, in a better position to appreciate the importance of a proper estimation. The inter-censal population is estimated annually by the Statistical Department. The following table shows the increase of population during recent years :—

| Year. | Population. |
|-------|-------------|
| 1880  | 6,674,000   |
| 1890  | 8,251,000   |
| 1900  | 10,176,000  |
| 1910  | 11,708,000  |
| 1920  | 13,225,000  |
| 1921  | 13,387,000  |
| 1922  | 13,551,000  |
| 1923  | 13,717,000  |
| 1924  | 13,885,000  |

The increase of the population is mainly due to the high birth-rate for which the country is noteworthy and also to the immigration of foreigners.

The population of the country as shown by the last three censuses is as follows :—

|             |            |
|-------------|------------|
| 1897 ... .. | 8,717,228  |
| 1907 ... .. | 11,287,354 |
| 1917 ... .. | 12,718,255 |

These figures show an increase of 1,570,131 during the ten years preceding 1907, and an increase of 1,430,896 during the ten years preceding 1917. This decennial increase is 16·1 per cent and 12·7 per cent respectively of the total population.

It was shown by the 1897, 1907 and 1917 censuses that the males outnumbered the females. The figures are as follows :—

| Years. | Males.    | Females.  |
|--------|-----------|-----------|
| 1897   | 4,947,850 | 4,786,555 |
| 1907   | 5,667,074 | 5,620,285 |
| 1917   | 6,369,517 | 6,348,738 |

The percentage of decennial increases of population from 1881 to 1920 compared to that of England and Wales are as follows :—

| Period.   | Egypt.    | England and Wales. |
|-----------|-----------|--------------------|
|           | Per cent. | Per cent.          |
| 1881-1890 | 23·63     | 11·65              |
| 1891-1900 | 23·32     | 12·17              |
| 1901-1910 | 14·96     | 10·89              |
| 1911-1920 | 12·38     | 4·93               |

(b) URBANISATION IN EGYPT.

Egypt is an agricultural country, but large cities are growing rapidly, most of their inhabitants being occupied in industry.

The following table shows the population classified as Urban and Rural and the percentage of each to the total number of population. The Urban population are those residing in Governorates and capitals of Provinces :

|              | 1900      | 1910      | 1920      |
|--------------|-----------|-----------|-----------|
|              | Per cent. | Per cent. | Per cent. |
| Urban ... .. | 13·7      | 14·5      | 14·1      |
| Rural ... .. | 86·3      | 85·5      | 85·9      |

(c) BIRTHS AND DEATHS.

The number of births registered in 1924 was 604,568 giving a birth-rate of 43·3 per thousand of population ; the deaths registered were 343,864 giving a death rate of 24·6 per thousand of population.

The following table shows the birth rates and death rates in Egypt each year from 1900 to 1924 :—

| Period. | Number of births registered. | Birth rates. | Number of Deaths registered. | Death rates. |
|---------|------------------------------|--------------|------------------------------|--------------|
| 1900    | 399,324                      | 41·6         | 225,108                      | 23·4         |
| 1901    | 401,902                      | 41·2         | 217,929                      | 23·0         |
| 1902    | 425,672                      | 42·9         | 272,630                      | 27·5         |
| 1903    | 433,807                      | 43·1         | 236,011                      | 23·4         |
| 1904    | 472,136                      | 46·2         | 278,503                      | 27·2         |
| 1905    | 456,843                      | 44·0         | 262,946                      | 25·3         |
| 1906    | 481,641                      | 45·7         | 263,179                      | 24·9         |
| 1907    | 483,915                      | 45·2         | 301,026                      | 28·1         |
| 1908    | 508,827                      | 46·9         | 283,069                      | 26·1         |
| 1909    | 482,957                      | 43·9         | 305,210                      | 27·7         |
| 1910    | 504,688                      | 45·2         | 305,076                      | 27·3         |
| 1911    | 506,947                      | 44·7         | 325,460                      | 28·7         |
| 1912    | 508,180                      | 44·2         | 294,964                      | 20·4         |
| 1913    | 507,442                      | 43·5         | 309,499                      | 26·5         |
| 1914    | 522,467                      | 44·2         | 333,133                      | 28·1         |
| 1915    | 520,035                      | 43·3         | 349,644                      | 29·1         |
| 1916    | 506,350                      | 41·6         | 376,359                      | 30·9         |
| 1917    | 513,722                      | 40·2         | 376,149                      | 29·4         |
| 1918    | 503,001                      | 39·9         | 512,176                      | 40·0         |
| 1919    | 493,488                      | 38·0         | 383,869                      | 30·0         |
| 1920    | 558,369                      | 42·8         | 369,823                      | 28·3         |
| 1921    | 558,898                      | 42·3         | 334,439                      | 25·3         |
| 1922    | 582,637                      | 43·2         | 339,101                      | 25·2         |
| 1923    | 588,853                      | 43·0         | 352,597                      | 25·7         |
| 1924    | 604,568                      | 43·3         | 343,864                      | 24·6         |



It will be observed that the average birth rate in the pre-war period (1910-1913) was 44·4 per thousand of population ; in the war time (1914-1918) it was 41·8 per thousand of population ; and in the after war period (1919-1924) it was 42·1 per thousand of population ; thus we see that the present birth rate is higher than in war time. The birth rate in 1924 was about the same as that of 1909 which was an ordinary year unaffected by the war.

The birth rate in 1924, was greater than that of any other year since 1915. The drop of birth rate in 1924 to 0·9 less than that of 1912 and 0·2 less than that of 1913 is quite small compared with the decreases in the birthrates in European countries. This may be illustrated by the following table :—

|                   | 1880 | 1885 | 1890 | 1895 | 1900 | 1905 | 1910 |
|-------------------|------|------|------|------|------|------|------|
| England ... ..    | 43·2 | 32·9 | 30·2 | 30·3 | 28·7 | 23·3 | 25·1 |
| France... ..      | 24·6 | 24·3 | 21·8 | 21·7 | 21·4 | 20·6 | 19·6 |
| Prussia... ..     | 37·8 | 37·7 | 36·6 | 36·9 | 36·1 | 33·5 | 30·5 |
| Italy ... ..      | 33·9 | 38·6 | 35·8 | 34·9 | 33·0 | 32·7 | 33·3 |
| Switzerland... .. | 29·8 | 28·0 | 26·4 | 27·3 | 28·6 | 26·9 | 25·0 |
| Belgium ... ..    | 31·1 | 29·9 | 28·7 | 28·5 | 28·9 | 26·1 | 23·7 |
| Austria ... ..    | 38·0 | 37·6 | 36·7 | 38·1 | 37·1 | 33·9 | 32·5 |
| Egypt ... ..      | —    | —    | —    | —    | 41·6 | 44·0 | 45·2 |

The two great factors that influence the birth rate are (a) proportion of women aged 15-45 years in the population, and (b) increase of marriage rate.

It would be interesting if statistics regarding marriage contracts could be given, but it is regretted that this is impossible as the method of registration of contracts in each town and city follows the different religions.

The death rate for 1924 was 24·6 per thousand of population, which is less than the previous year by 1·1 per thousand and than 1922 by 0·6 per thousand. It is also lower than the rate of any other year since 1904 except 1912 which was 20·4 per thousand.

#### (d) INFANT MORTALITY.

The infantile mortality rates per thousand of births from 1919-1924 as given by the Statistical Department are shown below compared with those of England :—

|      | In Egypt. | In England. |
|------|-----------|-------------|
| 1919 | 128       | 89          |
| 1920 | 137       | 80          |
| 1921 | 133       | 83          |
| 1922 | 139       | 77          |
| 1923 | 144       | 69          |
| 1924 | 150       | 75          |

It will be seen on comparison that in Egypt the death rate of infants under one year is high and is not decreasing as it is in most Occidental countries.

The decline of the infant mortality in European countries is not wholly due to the special measures taken in those countries for the preservation of infant life ; it has also been influenced by the general decline in the birth rate. Dr. Stevenson, in the "Registrar-General's Statistical Review," has pointed out that the recent decline of fertility in civilised countries has been accompanied, with a few exceptions, by a fall in infant mortality. It is known that the fatality rate amongst children is greater in large families than in small ones. It is, therefore, not inconsistent that in Egypt the infant mortality should fail to show the decrease obtained in other countries, since the birth rate is maintained at a high level and shows practically no reduction over the last fifty years.

The majority of the victims of infant mortality in Egypt during 1924 were those in the first months of their age, amounting to 12,700 out of 84,339, *i.e.* 15 per cent of all infant deaths. The greatest number of deaths of infants occurred in June with a percentage of 15·2. The average temperature of that month was 27·6°C. and the humidity was 60 per cent.

(e) CAUSES OF DEATHS.

The Statistical Department undertakes the collection of information and classification of deaths according to disease occurring in Governorates and Mudîriya Bandars. It is naturally a lengthy task, and the figures for 1924 are not to hand at the time of writing. These statistics have not been included in previous Departmental Reports and therefore the figures for 1923 are embodied in this report as follows :—

| DISEASES.  | Number of Deaths. | Proportion per thousand of deaths to total number of deaths from all causes. |
|--|-------------------|--|
| Notifiable Infectious Diseases ... ..  | 2,673             | 41·08  |
| Non-Notifiable Infectious Diseases ... ..  | 45                | 0·6  |
| Tuberculous diseases of the Lungs ... ..   | 1,680             | 25·8   |
| Other forms of Tuberculous diseases ... ..   | 418               | 6·4  |
| Malignant tumours ... ..   | 464               | 7·1  |
| Non-Malignant tumours ... ..   | 33                | 0·5  |
| Syphilis ... ..  | 328               | 5·0  |
| Gonorrhœa ... ..   | —                 | —  |
| Malaria ... ..   | 30                | 0·4  |
| Dysentery ... ..   | 1,126             | 17·3   |
| Kala Azar ... ..   | 1                 | 0·01   |
| Bilharziasis ... ..  | 128               | 1·9  |
| Ankylostomiasis ... ..   | 14                | 0·2  |
| Pellagra ... ..  | 81                | 1·2  |
| Filariasis ... ..  | 1                 | 0·01   |
| Egyptian Splenomegaly ... ..   | 2                 | 0·02   |
| Abscess of the Liver ... ..  | 37                | 0·5  |
| Pneumonia ... ..   | 2,689             | 41·3   |
| Pleurisy ... ..  | 80                | 1·2  |
| Bronchitis (acute or chronic) ... ..   | 7,257             | 111·5  |
| Other diseases of the Respiratory System ... ..  | 430               | 6·6  |
| Acute Nephritis ... ..   | 652               | 10·02  |
| Chronic Nephritis ... ..   | 755               | 11·6   |
| Gynæcological Diseases ... ..  | 61                | ·9   |
| Non-Venereal diseases of the Genito-urinary system in the male ... ..                                | 209               | 3·2  |
| Other diseases of the genito-urinary system except tub., tum. and ven. dis.... ..                    | 91                | 1·3  |
| Vulvular diseases of the Heart ... ..  | 176               | 2·7  |
| Aneurism ... ..  | 6                 | 0·09   |
| Other diseases of the heart and blood vessels... ..  | 2,857             | 43·9   |
| Appendicitis ... ..  | 49                | 0·7  |
| Hernia ... ..  | 84                | 1·2  |
| Gastro-enteritis of children (below 5 years of age). ... ..  | 20,120            | 309·2  |
| Other Diseases of the Alimentary System except tub. and tum. ... ..                                  | 1,418             | 21·8   |
| Puerperal Septicæmia ... ..  | 160               | 2·4  |
| Other diseases and accidents of the puerperium ... ..  | 166               | 2·5  |
| Cerebral hæmorrhage and embolism ... ..  | 520               | 7·9  |
| Other diseases of the brain, nervous system and special system except tub., tum. and syphilis ... .. | 1,570             | 24·1   |
| Diseases of the Liver and Spleen ... ..  | 269               | 4·1  |
| Diseases of the skin and cellular tissue ... ..  | 299               | 4·5  |
| Diseases of the bones and joints ... ..  | 1,095             | 10·6   |
| Diseases of the blood ... ..   | 187               | 2·8  |
| Rheumatism and Gout ... ..   | 62                | 0·9  |
| Diabetes ... ..  | 248               | 3·8  |
| Hydrophobia ... ..   | 6                 | 0·09   |
| Septicæmia and pyæmia ... ..   | 212               | 3·2  |
| Alcoholic and other chronic poisonings ... ..  | 2                 | 0·03   |
| Gangrene ... ..  | 151               | 2·3  |
| Senility ... ..  | 4,367             | 67·1   |
| Death from accidents ... ..  | 1,688             | 25·9   |
| "    "    suicide ... ..   | 47                | 0·7  |
| "    "    homicide ... ..  | 309               | 4·7  |
| Other causes of Death ... ..   | 9,705             | 149·1  |



The above total shows that the commonest cause of death is Enteritis in children under 5 years of age ; this disease can be dealt with by the education of mothers and their instruction in the necessary hygienic measures which will lead to an amelioration of this state of affairs. After Enteritis comes Bronchitis, then the vascular diseases and the notifiable infectious diseases.

(f) STILL-BIRTHS.

The rate of still-births in Egypt is small compared to that of foreign countries.  
The following is the rate of still-births per thousand births registered in the last five years :—

|      |     |     |     |     |     |     |     |     |     |     |     |     |      |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1920 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11·8 |
| 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12·3 |
| 1922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11·5 |
| 1923 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10·2 |
| 1924 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9·4  |

(g) THE INFECTIOUS DISEASES.

Figures for 1924 and the preceding 4 years are as follows :—

CASES NOTIFIED.

|                                  | 1920   | 1921  | 1922  | 1923   | 1924  |
|----------------------------------|--------|-------|-------|--------|-------|
| Cerebro Spinal Meningitis ... .. | 43     | 43    | 41    | 44     | 18    |
| Chicken Pox ... ..               | 453    | 372   | 337   | 522    | 10    |
| Cholera ... ..                   | 1      | —     | —     | —      | —     |
| Diphtheria ... ..                | 810    | 873   | 959   | 1,137  | 1,545 |
| Measles ... ..                   | 9,244  | 3,048 | 5,607 | 17,871 | 3,606 |
| Plague ... ..                    | 463    | 358   | 487   | 1,519  | 373   |
| Relapsing Fever ... ..           | 2,898  | 1,208 | 172   | 39     | 5     |
| Scarlet Fever ... ..             | 135    | 166   | 134   | 107    | 164   |
| Small-pox ... ..                 | 3,021  | 93    | 309   | 519    | 799   |
| Typhoid Fever ... ..             | 1,799  | 1,830 | 1,689 | 1,765  | 1,794 |
| Typhus ... ..                    | 13,253 | 4,487 | 2,489 | 1,935  | 1,683 |
| Other Inf. Diseases ... ..       | 7,111  | 8,388 | 6,758 | 3,755  | 5,921 |

The next table gives the death rate from the different notifiable diseases per 1000 of population :—

TABLE SHOWING THE DEATHS AND DEATH-RATES FROM INFECTIOUS DISEASES.

| DISEASES.                     | 1920.          |                         | 1921.          |                         | 1922.          |                         | 1923.          |                         | 1924.          |                         |
|-------------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|
|                               | No. of Deaths. | Death Rate per 1000pop. | No. of Deaths. | Death Rate per 1000pop. | No. of Deaths. | Death Rate per 1000pop. | No. of Deaths. | Death Rate per 1000pop. | No. of Deaths. | Death Rate per 1000pop. |
| Cerebro-Spinal Meningitis ... | 28             | ·80                     | 19             | ·00                     | 25             | ·00                     | 37             | ·00                     | 13             | ·00                     |
| Chicken Pox ... ..            | 9              | ·00                     | 1              | ·00                     | —              | —                       | 13             | ·00                     | 10             | ·00                     |
| Cholera ... ..                | —              | —                       | —              | —                       | —              | —                       | —              | —                       | —              | —                       |
| Diphtheria ... ..             | 316            | ·02                     | 336            | ·02                     | 422            | ·03                     | 664            | ·03                     | 689            | ·04                     |
| Measles ... ..                | 3,753          | ·28                     | 1,254          | ·09                     | 583            | ·19                     | 673            | ·55                     | 750            | ·12                     |
| Plague ... ..                 | 269            | ·02                     | 153            | ·01                     | 288            | ·01                     | 725            | ·05                     | 193            | ·01                     |
| Relapsing Fever ... ..        | 429            | ·03                     | 197            | ·01                     | 35             | ·00                     | 6              | ·00                     | —              | —                       |
| Scarlet Fever... ..           | 19             | ·00                     | 15             | ·00                     | 3              | ·00                     | 5              | ·00                     | 8              | ·00                     |
| Small-pox ... ..              | 805            | ·06                     | 24             | ·00                     | 90             | ·00                     | 140            | ·00                     | 221            | ·01                     |
| Typhoid Fever ... ..          | 426            | ·04                     | 346            | ·20                     | 437            | ·04                     | 466            | ·03                     | 462            | ·03                     |
| Typhus ... ..                 | 3,510          | ·26                     | 1,271          | ·09                     | 723            | ·04                     | 603            | ·04                     | 588            | ·04                     |

## II.—UNHEALTHY, INCONVENIENT AND DANGEROUS ESTABLISHMENTS.

During 1924, the number of applications for licences for establishments falling in class I dealt with was 735, as compared with 626 in 1923 and 565 in 1922. The total number of licenced establishments at the end of 1924 was 62,247 ; 4,839 of which fall in class I, 48,944 in class II and 8,464 in class III.

The reports of the branches of the Department indicate that the sanitary conditions of these establishments is steadily improving.

302 Ministerial Arrêtés were issued during the year laying down supplementary conditions with the object of improving the sanitary condition of previously licensed establishments. It having been found that certain unhealthy establishments licensed in the past have in the course of time become surrounded by habitations, it was found necessary to prevent the recurrence of this unsatisfactory state of affairs as regards such establishments (tanneries, brick-kilns, etc.) licensed in the future. The new conditions provide that the establishment should be and remain at a specified distance from habitations and that the licence can be cancelled if these distances are not maintained.

A Departmental Order to that effect was issued by the Department in the beginning of 1925.

### III.—CEMETERIES AND PRIVATE TOMBS.

[illegible]

Numerous encroachments on portions of cemetery land took place during the year, 15 cases were decided by the courts in favour of the Government and one against it; 9 other cases were either settled out of court or were unfounded; 34 cases were administratively settled and 721 are still under consideration.

Permits for burial in private tombs situated outside cemeteris were granted to 6 persons ; 8 applications were under consideration at the end of the year.

## IV.—MARSHY PLACES (BIRKAS).

The number of private birkas inspected during 1924 and found to constitute a danger to public health amounted to 159 covering an area of 168 feddans.

The number of Government birkas filled in during 1924 in various parts of Egypt was 71, the area being 18 f., 20 k., and 14 s. *i.e.* 79,217·73 square metres.

In addition, 26 birkas were filled in by the Malaria Commission ; 82,956.5 cubic metres of earth were used for this purpose. It is also worthy of mention that since the Malaria Commission was constituted, birkas and extensive marshy lands in the Canal Zone amounting to 8,151 feddans in area have been drained up.

## V.—MOSQUES.

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| No. of water systems newly established in private mosques                       | ... | ... | ... | 6   |
| No. of water systems opened after repair...                                     | ... | ... | ... | 109 |
| No. of plans of water systems of private mosques approved                       | ... | ... | ... | 20  |
| No. of water systems of mosques belonging to Wakfs of which plans were approved | ... | ... | ... | 11  |



## VI.—DRINKING WATER SUPPLIES.

Arrêtés were issued for preventing the pollution of drinking water in 7 localities.

The following are the towns where filters have been installed :—

|                     |     |     |     |     |  |
|---------------------|-----|-----|-----|-----|--|
| Cairo               | ... | ... | ... | ... | (1) Water is filtered at Gîza and Helwân plants by slow-sand filters.                        |
| Alexandria          | ... | ... | ... | ... |  |
| Damanhûr            | ... | ... | ... | ... |  |
| Tanta               | ... | ... | ... | ... |  |
| Dessûq              | ... | ... | ... | ... |  |
| Mansûra             | ... | ... | ... | ... | (2) The installations of Port-Said, Ismailîya and Suez consist of Puech-Chabal filters.      |
| Zagâzig             | ... | ... | ... | ... |  |
| Damietta            | ... | ... | ... | ... |  |
| Mataria (Daqahlîya) | ... | ... | ... | ... | (3) The filters in other towns are all mechanical of the Jewel type or a modification of it. |
| Port-Said           | ... | ... | ... | ... |  |
| Ismailîya           | ... | ... | ... | ... |  |
| Suez                | ... | ... | ... | ... |  |
| Helwân              | ... | ... | ... | ... |  |
| Ma'adi              | ... | ... | ... | ... |  |
| Gîza                | ... | ... | ... | ... |  |
| Beni-Suef           | ... | ... | ... | ... |  |

The following are the towns where artesian wells have been sunk :—

|                 |          |
|-----------------|----------|
| Kafr el Zaiyât. | Minya.   |
| Zefta.          | Qoussîya |
| Mît-Ghamr.      | Manfalût |
| Menûf.          | Asyût.   |
| Ashmûn.         | Tema.    |
| Heliopolis.     | Luxor.   |
| Maghâgha.       |          |

## VII.—SEWAGE DEPOTOIRS.

The Department examined six questions concerning the establishment of new sewage depotoirs.

Up to the present, the only towns which deal with their sewage according to modern methods (settling tanks, etc.) are Cairo, Mansûra, Port-Said and Suez. Tanta Municipality has commenced a public drainage scheme on modern lines and is expected to complete it in 2 or 3 years.

The Department greatly hopes that Damanhûr, Zagâzig and Kafr-el-Zayât Municipalities will also go in for modern sewage disposal installations.

In Alexandria, sewage is discharged directly into the Sea.

## VIII.—PROSTITUTION.

The number of Prostitues in Egypt was 5,429 and the total number of examinations of these women amounted to 162,185.

The number of prostitutes treated in hospitals for the diseases shown below was 6,212 :—

|                         |     |     |     |     |       |
|-------------------------|-----|-----|-----|-----|-------|
| Cases of syphilis       | ... | ... | ... | ... | 1,210 |
| Cases of gonorrhea      | ... | ... | ... | ... | 4,756 |
| Cases of other diseases | ... | ... | ... | ... | 420   |

## GENERAL AND INFECTIOUS DISEASES HOSPITALS.

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During the year 1924, the following three hospitals have been newly established :—

- (1) General Hospital at Tahta.
- (2) Infectious Diseases Hospital at Qena.
- (3) Anthelmintic Hospital at Damanhûr.

In addition, an infectious diseases hospital at Mansûra will be completed shortly and the building of another at Asyût will soon commence.

The erection of the following 12 hospitals has been started :—

- (1) Bareem Hospital, Kom Hamada District.
- (2) Mallawi Hospital.
- (3) Faccous Hospital.
- (4) Samalût Hospital.
- (5) Abu Querqas Hospital.
- (6) Hospital for Women's diseases at Abbasyâ.
- (7) Mit Ghamr Hospital.
- (8) Village Hospital at Zawyet el Naoûra, Sehbîn el Kom District.
- (9) Village Hospital at Fashn.
- (10) Prince Farouk's Hospital at Gerga.
- (11) Anthelmintic Travelling Hospital at Sharqîya.
- (12) Anthelmintic Travelling Hospital at Nag' Hamadi.

It is a great pleasure to record that the cost of establishing these hospitals is borne either by the generous notables of the country or by the Provincial Councils, which indicates that the inhabitants have realized the needs of the country as regards the provision of hospitals for treating poor patients.

There are now 37 hospitals for treating general, infectious, venereal and parasitic diseases.

They are classified as follows :—

(a) 22 General Hospitals :—

- 1 in each capital of Governorate ;
- 1 in each capital of Province (Gîza excepted) ;
- 1 in each town of Qalyûb, Tahta, Luxor and Esna.

(b) 8 Infectious Diseases Hospitals :—

- 3 of which are separated, from the administrative point of view, from the General Hospitals, *viz.* Abbâsyâ, Tanta and Port-Said ;
- and 5 are attached to the General Hospitals of the following towns : Alexandria, Suez, Zagâzig, Minya and Qena.

(c) 2 hospitals for Venereal Diseases :—

- 1 in Cairo (Hod el Marsoud) ; and the other in Alexandria (Gabbary).

(d) 5 hospitals for Parasitic Diseases at Damanhûr, Tanta, Mansûra, Benha and Qalyûb.

## STATISTICS OF PATIENTS TREATED IN HOSPITALS.

The number of beds amounted in 1924 to 4,381, an increase of 121 beds.

The number of in-patients was 67,360.

The number of days of treatment of in-patients was 1,013,430, an increase of 43,069 days over the total of the preceding year.

The total number of new patients at the out-patients departments. was 303,337, an increase of 16,680 over 1923.

The number of operations performed in 1924 was 20,195, an increase of 1,788 over the previous year.



The total cost of the hospitals in 1924 was about L.E. 226,446, a decrease of L.E. 11,851 compared with the previous year.

The average cost per year per bed in 1924 was L.E. 81·618 ; the average cost per patient per day was 223 milliemes.

The number of patients treated in the Ankylostoma annexes during 1924 was 62,647.

The average cost per Ankylostoma patient in 1924 was 19 milliemes, as against 54 milliemes in 1923.

The average cost per Bilharzia patient in 1924 was 151 milliemes compared with 216 milliemes in 1923.

#### DISPENSARIES AND OUT-PATIENT DEPARTMENTS.

During this year 43,628 patients were treated gratuitously in the 38 dispensaries attached to the Department.

#### CHILDREN DISPENSARIES AND SCHOOLS OF DAYAS.

There are 15 children's dispensaries in Egypt.

There are 8 schools of Dayas.

The number of children treated in the dispensaries in 1924 was 459,430, *i.e.* an increase of 60,943 over the number treated in 1923.

The number of confinements which took place in dispensaries with the help of the staffs of the schools of Dayas during the year was 5,081, an increase of 659 cases over the previous year.

### INSPECTORATE OF PHARMACIES.

#### 1.—PHARMACIES.

During 1924, 63 pharmacies were opened and 56 were closed. The total number of pharmacies existing at the end of the year was 428.

#### 2.—PERMITS FOR DEALING IN POISONOUS DRUGS.

|   |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|
| The total number of permits granted during 1924 ...   | ... | ... | ... | ... | ... | 11  |
| The total number of permits granted till 1924 ...     | ... | ... | ... | ... | ... | 153 |
| The total number of permits granted till 1923 ...     | ... | ... | ... | ... | ... | 145 |
| The total number of permits cancelled during 1924 ... | ... | ... | ... | ... | ... | 3   |

#### 3.—OPIUM.

No temporary permits for purchasing opium cultivated in Egypt for exportation were granted this year ; the issue of the new law is being awaited.

Eight permits have been cancelled on account of their holders contravening the Regulations, issued in 1904, on Pharmacy and trade in poisonous substances, or the conditions embodied in their permits. The number of authorised dealers in opium is now reduced to 42.

#### 4.—POISONOUS PLANTS.

No temporary authorisation has been granted for purchasing poisonous plants, *i.e.* Henbane, Datura, Colocynth and Belladonna, for exportation.

|   |     |     |     |     |    |
|---|-----|-----|-----|-----|----|
| The number of those authorised to deal in Henbane ...   | ... | ... | ... | ... | 48 |
| The number of those authorised to deal in Colocynth ... | ... | ... | ... | ... | 15 |
| The number of those authorised to deal in Belladonna... | ... | ... | ... | ... | 2  |
| The number of those authorised to deal in Datura ...    | ... | ... | ... | ... | 14 |

The quantity of Henbane exported this year amounted to 123,196 kilogrammes.



### 5.—PHARMACY TEACHING.

(a) *Student Pharmacists*.—The number of student pharmacists of Kasr-el-Aini trained this year in pharmacies for the prescribed period of 6 months was 16.

The number of student pharmacists of Foreign Colleges admitted to training in pharmacies was 15.

(b) *Apprentice Assistant Pharmacists*.—The Ministerial Order No. 2337 dated July 9, 1923, laying down that candidates for training as assistant pharmacists should be at least in possession of the Secondary Certificate Part 1, has resulted in a great reduction in the number of candidates who registered their names as apprentice assistant pharmacists.

|   |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|
| The number of app. ass. pharm. registered in 1924                     | ... | ... | ... | ... | ... | 5   |
| The number of app. ass. pharm. struck off in 1924                     | ... | ... | ... | ... | ... | 39  |
| The number of app. ass. pharm. who succeeded in the final examination |     |     |     |     |     | 31  |
| The number of candidates under training at end of December 1924       | ... |     |     |     |     | 161 |

### 6.—EXECUTION OF PHARMACY LAW.

The number of *procès-verbaux* drawn up against contraveners of Pharmacy Law was 86.

|  |     |     |     |     |     |    |
|--|-----|-----|-----|-----|-----|----|
| Number of judgments given against contraveners | ... | ... | ... | ... | ... | 16 |
| Number of cases pending                        | ... | ... | ... | ... | ... | 61 |
| Number of cases filed                          | ... | ... | ... | ... | ... | 3  |
| Number of cases acquitted                      | ... | ... | ... | ... | ... | 6  |

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|   |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|
| Number of <i>procès-verbaux</i> drawn up for offences against the Regulations for dealing in poisonous substances | ... | ... | ... | ... | ... | 201 |
| Number of judgments given against contraveners  | ... | ... | ... | ... | ... | 27  |
| Number of acquittals  | ... | ... | ... | ... | ... | 10  |
| Number of cases pending   | ... | ... | ... | ... | ... | 160 |
| Number of cases filed   | ... | ... | ... | ... | ... | 4   |

### 7.—EGYPTIAN MEDICAL SPECIALITÉS.

The number of permits given to Pharmacies to prepare Egyptian spécialités for sale to the Public was 13.

### SECTION III.

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#### OPHTHALMIC HOSPITALS.

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During 1924, Gîza Ophthalmic Hospital was completed and opened for treatment as well as a stationary ophthalmic clinic under canvas annexed to the General Hospital at Suez : thus all the provinces of Egypt (except Aswân), the Governorates of Alexandria, Port-Said, Damietta and Suez, as well as three large Markazes of Gharbîya Province : namely, Mehalla-el-Kobra, Kafr-el-Zayat and Santa are now supplied each with a permanent ophthalmic hospital. Aswân has been provided with one of the large travelling ophthalmic hospitals.

Government Primary Schools, existing in Provincial Capitals in which there are permanent ophthalmic hospitals, are provided with ophthalmic clinics as well as the schools of Husseinieh and Mohammed Ali at Cairo and Ras el Tine and Moharram Bey at Alexandria.

The number of Ophthalmic Hospitals now in existence is 25, of which 20 are stationary and 5 are travelling.

The upkeep of ophthalmic hospitals, including that of the Central Administration Ophthalmic Service and of ophthalmic clinics at the Government Primary Schools, during 1923-1924 cost L.E. 44,610.

192,555 New patients were treated.

1,885,429 Out-patients were treated.

103,582 Operations were performed.

7,830 Pupils were examined.

10·8 per cent of all patients examined were found to be blind, 8 per cent in one eye and 2·8 per cent in both eyes.

The average cost per out-patient in 1924 was 21·1 mills.

The average cost per out-patient in 1923 was 24·6 mills.

The average cost per in-patient in 1924 was 51·3 mills.

The average cost per in-patient in 1923 was 59·1 mills.



## SECTION IV.

### EPIDEMIC DISEASES.

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This year's report differs from those of the last few years in that investigations, which the Department carried out with the object of protecting people against plague before its outbreak, have been recorded. In order to realize this object a laboratory was erected at Asyût for the purpose of examining rats caught in the towns of Minya, Asyût and Gerga Provinces, in which places it was assumed that the disease had become endemic. The work was undertaken at a selected time before the plague season normally begins.

1990 rats were examined and 429 gave suspicious signs, but no positive results were revealed by bacteriological examination, this was no doubt due to the fact that the number of rats examined was not sufficient.

One of the Commercial Companies at Port-Said informed the Health Office of that town of the presence of dead rats in the Company stores. Some of these rats were bacteriologically examined and one of them was found to be infected with plague micro-organisms. The Company's premises were then disinfected and thorough deratisation carried out. The whole staff, their contacts, and families were vaccinated against plague after disinfection of their clothes and effects.

As a result, no plague cases were recorded in the Company's premises.

As the above-mentioned investigations did not achieve the result aimed at by the Department, namely, protecting people against plague before its appearance, certain localities in Asyût and Gerga Provinces, where plague has repeatedly appeared, were selected. In some of these localities, the inhabitants were vaccinated against plague; in other localities all rat holes were closed. These proceedings took place some time before the usual beginning of the plague season in the locality concerned.

The result of these efforts will be recorded in next year's report; for the present everything goes to prove that they will be satisfactory.

This year's report also records a change in procedure regarding the measures taken on the outbreak of plague, and this should prove an advantage. Formerly, preventive measures were confined to disinfection of one or of all parts of the plague infected locality, but the investigations carried out by the Department during last year as regards vaccination against plague and the good results obtained therefrom, have encouraged the Department to carry out general plague vaccination as soon as the first case occurs in any village, and to confine disinfection to the house of the case and surrounding houses, closing rat-holes in the villages, at the same time.

The satisfactory results of plague vaccination have been more evident this year than last, which is very encouraging. Cases which occurred after vaccination developed the disease within a period of ten days following vaccination and most of the very few cases which occurred afterwards were in persons who had not been vaccinated. Cases, which developed the disease after vaccination, were of a mild type.

The Department is of opinion that in order to combat Typhoid Fever, the use of the special vaccine should be generalised.

Every Health Office was accordingly supplied with a certain quantity, all of which has been disposed of. Arrangements are being made to supply larger quantities next year.

Two permanent inspectors were appointed during the year, one for Upper Egypt, and the other for Lower Egypt, to control anti-smallpox vaccination carried out by the village barbers and to train them in the correct technique of the operation, so as to ensure success. These appointments were found necessary for the purpose of exercising efficient control over the work of vaccination, the Markaz Medical Officer being unable to give sufficient time to it on account of his other numerous duties. These two inspectors have supervised the vaccination work in a great number of Markazes and their work has had a beneficial and satisfactory result.

During the year, lectures were given to the disinfection staff with the object of educating them in the sanitary measures to be taken against infectious disease. Regular lectures were given during the six months and at the end of the course a technical and practical examination was held, the result of which was, in general, satisfactory.



As regards the incidence of infectious disease, this year has been marked by the following features :—

- (1) A striking decrease in the number of cases of relapsing fever.
- (2) A decrease in the number of cases of plague.
- (3) A decrease in the number of cases of typhus.
- (4) An increase in the number of cases of small-pox.

Only 5 cases of relapsing fever occurred this year, which is the least number recorded during the last 21 years.

373 cases of plague were recorded against 1,519 in 1923.

1,683 cases of typhus fever occurred, as against 1,935 in the previous year.

The number of cases of small-pox amounted to 799 as compared with 519 in the previous year.

This increase is attributed to the fact that Arabs in many localities do not comply with the Vaccination Law. The Department is taking the necessary steps to ensure their compliance in the same way as their fellow country-men.

The number of cases of typhoid fever amounted to 1,794 in 1924, as against 1,765 in 1923.

Though the number of cases of this disease in 1923 is almost equal to that of 1924, it should be noted that 901 cases occurred in Cairo alone, as compared to 969 in 1923 ; this is due to the insanitary condition of the poor class habitations and to the want of special housing legislation.

As regards anti-malarial work, both the work entrusted to Municipalities, as well as that allotted to the Irrigation and Main Drainage Departments, remained unfinished at the end of 1924 owing to the delay in approving the budget, with the result that only a sum of L.E. 9,676 was spent from the total credit of L.E. 19,886 allotted.

The control of Egyptian Pilgrims was very satisfactory and no one succeeded in evading it.

260 pilgrims and 15 of the persons accompanying the Mahmal were suspected of infectious diseases. All were isolated but proved to be negative.

The control of passengers arriving from cholera infected or suspected infected places also gave complete satisfaction, the percentage of persons observed being about 99 per cent.

Specimens examined for plague, typhus, and typhoid during 1923 and 1924 are shown below :—

| Year. | Plague specimens. | Typhus and Typhoid specimens |
|-------|-------------------|------------------------------|
| 1923  | 2,612             | 6,017                        |
| 1924  | 4,120             | 7,136                        |

### FRONTIERS MEDICAL SECTION.

The number of in-patients treated in the hospitals of the Frontiers Medical Section was 1,932, an increase of 120 over the previous year. The number of out-patients was 66,771 showing an increase of 1,721 over the 1923 figures. The number of patients treated in the Public Health Dispensaries was 20,205.

The number of operations performed during the year was 637 of which 570 were reported successful, 57 relieved and 10 no improvement shown.

3,096 persons were vaccinated against small-pox of which number 2,755 were reported successful, the remaining 341 undergoing revaccination.

2,036 persons entering Egypt by the Western and Southern Frontiers were medically examined, vaccinated and deloused.

### VITAL STATISTICS.

ANNUAL GENERAL RETURN OF BIRTHS AND DEATHS REGISTERED IN THE FRONTIER DISTRICT AREAS  
DURING THE YEAR 1924.

| POPULATION. | BIRTHS.    |             |        |                   | DEATHS.    |             |        |                   |
|-------------|------------|-------------|--------|-------------------|------------|-------------|--------|-------------------|
|             | Egyptians. | Foreigners. | TOTAL. | Rate<br>per 1000. | Egyptians. | Foreigners. | TOTAL. | Rate<br>per 1000. |
| 74,278      | 3,259      | 6           | 3,265  | 43                | 2,032      | 4           | 2,036  | 27·5              |

### INFANTILE MORTALITY.

| Under<br>one<br>year. | From<br>1 to 10<br>years. | Proportion per cent of Infantile Mortality. |            |                        |
|-----------------------|---------------------------|---|------------|------------------------|
|                       |                           | Deaths under one year.                      |            | From<br>1 to 10 years. |
|                       |                           | To Births.                                  | To Deaths. | To Deaths.             |
| 502                   | 485                       | 15·4%                                       | 24·6%      | 23·8%                  |

### LUNACY DIVISION.

#### THE RETIREMENT OF ENGLISH NURSES.

The retirement of the three English Head-Nurses at Abbâsyîa has necessitated the re-organisation of the “ Harem ” entirely under an Egyptian Staff but it is gratifying to be able to report that the loss of the English Nurses has not been as seriously felt as it was feared.

#### REDUCTION OF THE EUROPEAN STAFF.

The European Staff has been reduced from 13 to 6, three of whom are engineers and electricians.

#### ACCOMMODATION EXISTING.

There are 1,241 beds at Abbâsîya and 600 at Khanka Asylum, 1,153 being for men and 688 for women ; total : 1,841.

#### NUMBER IN RESIDENCE.

The number of patients in residence on March 31, 1925, was 2,583 ; a provision for the detention of 2,500 insane for the inhabitants of Egypt makes a ratio of 1 to 5,000.

#### NUMBER OF PATIENTS ADMITTED DURING THE YEAR.

The number of those admitted during the year holding Official certificates was 1,694 patients, as compared with 1,505 in 1923.

#### ADMISSIONS TO D.P.H. LOCAL HOSPITALS.

Besides the above admissions in the two asylums, 731 were admitted to the Local Hospitals of the Department of Public Health.



### DISTRIBUTION OF ASYLUM ADMISSIONS.

*Abbasîya Asylum* : admits all female cases, all criminal lunatics, and paying male cases, some 500 criminal cases being resident.

*Khanka Asylum* : admits all non-criminal pauper male cases.

### DISCHARGES.

1,014 cases were discharged from the two Asylums, of whom 220 had recovered and 42 had been found to be insane, 752 were handed over to their relatives while still insane.

### NUMBER OF INSANE IN EGYPT.

It is impossible to give any approximately correct figures as to the rate of the insane to the general population owing to the Asylums being forced to admit “ only dangerous or unmanageable lunatics.”

### ADMISSIONS AND SICKNESS.

(1) The outstanding features of the year under review have been the increased admissions affecting all classes.

(2) The epidemic of Malaria was very seriously spread amongst them ; 655 cases at Khanka.

(3) The increased admission to the already overcrowded Asylums has necessitated the discharge of many insane persons who pass a very short time in the Asylums and the discharge of potentially dangerous lunatics who have to be set at liberty.

### SINGLE ROOMS.

Both Asylums have made great efforts to eliminate as many prison-like features of the Asylums as possible, beds and bedding were allowed to be used instead of “ Strong clothing,” the 4,942 hours of seclusion in 1922, 2,498 in 1923 have been reduced at Abbasîya to 457 ; none at Khanka. Patients have become cleaner and quieter.

Sleeping draughts at night have also been reduced from 4,534 to 650. There is also a large drop in artificial feeding.

### MORTALITY.

28 male insane persons died in Abbasîya Asylum.  
86 female insane persons died in Abbasîya Asylum.  
182 male insane persons died in Khanka Asylum.

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296 Total deaths.

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### THE ORIGIN OF BUILDING KHANKA ASYLUM.

Khanka Asylum was originally built with the idea of establishing a working colony for all those weakminded cases, who had no one to look after them, but the rapid increase of admissions forced the conversion of what was intended as a working colony into an Asylum.

### STRUCTURAL ALTERATIONS AND ADDITIONS.

|                       |     |     |     |     |     |     |     |     |     |           |           |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----------|
| At Abbasîya Asylum... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...       | 1,737·943 |
| At Khanka Asylum      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...       | 2,136·292 |
|                       |     |     |     |     |     |     |     |     |     | TOTAL ... | 3,874·235 |

The total amount expended on the structure of Abbasîya Asylum now amounts to L.E. 183,536 while L.E. 238,291 have been expended on Khanka Asylum.

## CERTIFICATES.

Ninety-four admission certificates were incomplete and returned for correction.

GOVERNMENT EMPLOYÉS.

34 Government employé's were examined for mental trouble and reported on.

## FOREIGN INSANE PATIENTS.

49 Foreign subjects are in residence at Abbâsîya Asylum. Payment is made for 40 of these cases.

RECEIPTS FOR PATIENTS TREATED AT ABBASÎYA ASYLUM.

The amounts received for the treatment of patients are as follows :—

|   | L.E.              | M. |
|---|-------------------|----|
| First Class Patients ... .. .                 | 1,930·457         |    |
| Second Class Patients ... .. .                | 4,506·900         |    |
| Third Class Patients (special diet) ... .. .  | 4,369·023         |    |
| Third Class Patients (ordinary diet) ... .. . | 242·283           |    |
| Miscellaneous Receipts ... .. .               | 415·296           |    |
| <b>TOTAL ... ..</b>                           | <b>11,463·959</b> |    |

### COST OF MAINTENANCE.

The total annual cost of the Lunacy Division and its two Asylums was L.E. 99,088 562 mills., including the expense of the Lunacy Division Office (L.E. 4,614·701 mills.) and L.E. 908·382 mills. the expense of Khanka Asylum Farm.

On deducting the two latter items amounting to L.E. 5,523·083 mills. the cost of the two Asylums is found to be L.E. 93,565·479 mills.

### THE GROSS COST PER INMATE.

The gross cost per inmate in 1924 was L.E. 36·664 mills.

The gross cost per inmate in 1923 was L.E. 41·558 mills.

The gross cost per inmate in 1922 was L.E. 44.515 mills.

The gross cost per inmate in 1921 was L.E. 58·970 mills.

On deducting the receipts (*viz.* at Abbasiya Asylum L.E. 11,463·959 mills. received in payment for maintenance, etc., and at Khanka Asylum L.E. 1,359·435 mills. for receipts from farm produce, etc.) from the total annual cost the net cost is found to have been L.E. 80,742·085 mills., *i.e.* L.E. 31·639 mills. per inmate per annum.

|  | Number. |
|--|---------|
| <i>Statistics :—</i>   |         |
| Available accommodations ... .. .                                    | 2,434   |
| Average number resident ... .. .                                     | 2,552   |
| Male admissions ... .. .   | 1,006   |
| Female admissions ... .. .   | 396     |
| Discharged lunatics (still insane) ... .. .                          | 752     |
| Discharged as not insane ... .. .                                    | 42      |
| Escapes ... .. .   | 5       |
| Deaths ... .. .  | 296     |
| Patients sent to Hospitals and released without certificates... .. . | 328     |



|  | Number. |
|--|---------|
| <i>Pellagra Admissions :—</i>  |         |
| At Khanka Asylum ... ..  | 102     |
| Males at Abbasiya Asylum ... ..  | 10      |
| Females at Abbasiya Asylum ... ..  | 68      |
| Total ... ..   | 180     |
| <i>Causes of insanity :—</i>   |         |
| Congenital defect resulting in idiocy, imbecility and weak-mindedness ... .. | 130     |
| Hereditary defect resulting in :—  |         |
| 1.—Adolescent insanity ... ..  | 211     |
| 2.—Epileptic insanity ... ..   | 38      |
| Pellagra... ..   | 149     |
| Toxic Agencies :—  |         |
| (a) Endogenous :—  |         |
| Syphilis ... ..  | 39      |
| Fever ... ..   | 11      |
| (b) Exogenous :—   |         |
| Drug insanity ... ..   | 140     |
| Puerperium ... ..  | 7       |
| Old Age... ..  | 37      |
| Moral causes · grief, loss, etc... ..  | 42      |
| Causes unknown ... ..  | 388     |
| Impaired health ... ..   | 59      |

#### NUMBER OF THOSE WHO RECOVERED.

The number of patients recovered amounted to 220, of whom 83 males from Khanka Asylum ; 53 males and 84 females from Abbasiya Asylum.

### LABORATORIES.

#### NUMBER OF SPECIMENS EXAMINED.

The total number of specimens examined during the year was 27,915 as compared with 24,030 in 1923, the increase being due mainly to the large number of specimens received in connection with the diagnosis of plague, malaria, gonorrhœa and syphilis.

In addition, the number of examinations carried out in the bacteriological provincial laboratories at Port-Said and Suez amounted to 2,274 and 6,039 respectively.

#### PARASITOLOGY SECTION.

The Parasitology Section of the Laboratories undertook, early in the year, a field investigation on a large scale into ankylostomiasis in Helwân area, inhabited by a population of approximately 15,000. 10 per cent of the inhabitants in each village were systematically examined for evidence of parasitic infection. It was intended to treat every individual in the locality with carbon tetrachloride, excluding, however, pregnant women and children under 6 years of age, but the number treated represented roughly 50 per cent of the population. It is proposed to re-examine the inhabitants of the same locality during 1925 to ascertain if the incidence of ankylostoma infection has been affected by the campaign.

The convict prison at Tura, which lies in the same locality, was also visited and a thorough microscopical examination of the urine and stools of all prisoners, numbering about 3,000, and the warders was done. All the prisoners were given carbon tetrachloride and the results will be gauged by a future visit in 1925.

During the last four months of the year an Anthelmintic Hospital was established at Dessouk and a thorough examination of all students of the schools, kuttabs, institutions, etc., was made. It was found that nearly 30 per cent of the students and 50 per cent of the population were infected with *Sch. mansoni*.

#### CHOLERA VIBRIO EMULSION.

For many years the Laboratories have been preparing annually a stock of cholera vibrio emulsion for use in prophylactic vaccination in case of an outbreak of cholera, or to meet emergencies. It was found, however, that this emulsion deteriorated after a time. Arrangements have, therefore, been made for the preparation of dried cholera vaccine, and 88 grams (about 40,000 doses) have already been prepared.

#### PREPARATION OF SERA.

In view of the steady increase in diagnostic work, it was decided that the Laboratories should prepare sera for cholera, typhoid, paratyphoid, dysentery, malta and para malta fever, all of which have been found to be of a high titre.

#### DIAGNOSIS WORK.

The occurrence of a fever epidemic in the village of Kom-el-Akhdar, Markaz Shebin el Kom, led to an enquiry by the Department. A bacteriologist was sent to the place, and on examination it was found out that the epidemic was one of typhoid and paratyphoid, and that 77 per cent of all cases were moreover suffering from a parasitic infection.

#### RESEARCH WORK.

A considerable amount of research work has been carried out during the year mainly in connection with the routine work of the Laboratories, and special points referred to them by the other Sections of the Department and Government Administrations. The Colloidal gold reaction for the diagnosis of syphilitic affections of the nervous system was investigated. The results so far have been encouraging and the test now forms one of the routine methods of diagnosis.

Many cases of para-enteric fevers were investigated from the aetiological point of view. A certain number of these were found to be caused by an infection with *B. paratyphosus* C. and *B. faecalis* *alkaligenes*.

The Laboratories carried out some experiments on the trypanosomiasis of camels with Germanin (Bayer 205) so much praised for the treatment of sleeping sickness. The results are promising and the researches are being continued.

#### WORK PERFORMED FOR THE VETERINARY SECTION, MINISTRY OF AGRICULTURE.

The Laboratories have performed the work requested by the Veterinary Section of the Ministry of Agriculture, thus it examined the specimens sent from some of the horses and donkeys, and isolated the organisms causing abortion as well as the micro-organisms causing septicaemia in horses.

#### PUBLICATIONS OF THE P.H. LABORATORIES.

The following publications of the P.H. Laboratories have appeared during the year :—

- (1) Reports and Notes of the P.H. Laboratories No. 6 on Ankylostomiasis and Bilharziasis in Egypt.
- (2) A comparative Bacteriological study of Bovine Abortion and undulant fever, Part II, by Dr. Z. Khaled.
- (3) Aperçu général sur le lait, le beurre et le fromage en Egypte, by Dr. A. Azadian.



### TOTAL NUMBER OF BACTERIOLOGICAL EXAMINATIONS.

|   |        |
|---|--------|
| The total number of specimens examined for the Government ... ..      | 20,848 |
| The total number of specimens examined for private individuals ... .. | 1,674  |
|   | <hr/>  |
| TOTAL ... ..  | 22,522 |
|   | <hr/>  |

### TOTAL NUMBER OF CHEMICAL EXAMINATIONS.

|   |       |
|---|-------|
| The total number of specimens examined for the Government Service     | 2,705 |
| The total number of specimens examined for the British Army... ..     | 5     |
| The total number of specimens examined for private individuals ... .. | 7     |
|   | <hr/> |
| TOTAL ... ..  | 2,717 |
|   | <hr/> |

### WATER BOARD.

The Water Board which, up to the end of 1923, was composed of the Director of Public Health Laboratories and of the Chief Engineer of the Municipalities and Local Commissions Section of the Ministry of Interior, was reconstituted as follows :—

|   |                   |
|---|-------------------|
| (1) Director, Section 1, D.P.H. ... ..                              | <i>President.</i> |
| (2) Director, Public Health Laboratories ... ..                     | } <i>Members.</i> |
| (3) Sub-Director of Municipalities, Ministry of the Interior ... .. |                   |
| (4) Chief Sanitary Engineer, D.P.H. ... ..                          |                   |
| (5) Sub-Director, Section 1, D.P.H. ... ..                          |                   |
| (6) A legal Member, when legal cases are under consideration ... .. |                   |

The Board now deals with all questions of drinking water supplies submitted to the Department of Public Health, the decisions of the Board being carried out by Section 1 of this Department.

The total number of samples of water, aerated waters, and ice examined bacteriologically was 2,661.

The total number of water samples examined chemically was 178.

### MILK.

The number of milk samples analysed was 1,482 of which 1,041 were found to be up to standard.

### VACCINE LYMPH.

The amount of vaccine lymph issued in 1924 was 3,422,792 doses. 39 batches were tested on 1,785 persons ; the percentage of negative results was 3·02 per cent.

### PORT-SAID LABORATORY.

The plan of the building of the new laboratory which will be established at Port-Said was prepared and the site chosen.

The work in this laboratory was commenced in January 1924, and during the year a total number of 2,274 specimens were examined. The Laboratory performs the bacteriological work required for the town of Port-Said and carries out investigations in connection with epidemics.

In July 1924 an epidemic amongst rats in the locality situated on the eastern side of the Suez Canal led to an investigation and three of the infected rats were sent for examination ; these showed the presence of plague bacilli.

### SUEZ LABORATORY.

This laboratory is within the grounds of the Governemnt's General Hospital at Suez. Work was commenced in January 1924, and during the year a total number of 6,039 speci-



mens were examined. Bacteriological Work in connection with the return of pilgrims from the Holy Lands is one of the main reasons for which the laboratory has been established at Suez.

#### ANTIRABIC INSTITUTE.

The number of persons who received a full course of treatment was 1,487. This figure compared with the corresponding figure of the last year shows an increase of 206. Amongst the persons treated in 1924, there occurred 4 deaths. The mortality rate representing the cases in which the treatment failed was 0·26 per cent. Nine other persons died either during treatment or less than 15 days after its completion. The gross mortality rate of all deaths was therefore 0·87 per cent.

At the end of the year, a piece of Government land near Kasr-el-Aini was chosen, on which a new Antirabic Institute will be built.

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#### THE CENTRAL MEDICAL COMMISSON.

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During the year 1924, the Central Medical Commission issued 9,765 medical certificates showing a decrease of 1,128 as compared with the figures for 1923.

3,683 employés were examined for sick leave of which number 210 or 5·7 per cent were refused.

The number of applicants for retirement from the service on grounds of physical unfitness was 2,100, of these 160 or 7·6 per cent were found fit for further service.

The number of applicants examined for admission to the service was 3,662 the unsuccessful candidates amountings to 1,938, or 52·9 per cent. 25·3 per cent of these failed in the vision tests, and 15·4 per cent failed on account of defects in the urinary system.

#### MEDICAL COMMISSION OF GOVERNORATES AND PROVNICES.

12,450 medical certificates were issued by the Provincial and Governorate Medical Boards during 1924. This shows an increase of 1,448 as compared with 1923.

#### NIZAMI GHAFIRS.

|   |        |
|---|--------|
| Number of Nizami Ghaffirs examined for admission to service and found fit   | 10,197 |
| Number of Nizami Ghaffirs examined for admission to service and found unfit | 6,515  |

|                                   |        |
|-----------------------------------|--------|
| Total Number of Ghaffirs examined | 16,712 |
|-----------------------------------|--------|

|  |    |
|--|----|
| Number of Nizami Ghaffirs examined for extension of service and found fit... | 89 |
| Number of Nizami Ghaffirs examined for extension of service and found unfit  | 27 |

|                                   |     |
|-----------------------------------|-----|
| Total Number of Ghaffirs examined | 116 |
|-----------------------------------|-----|

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#### CENTRAL STORES.

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Central Stores are attached to the Department. They issue supplies to all units of the Department: General, Ophthalmic and Infectious Diseases Hospitals and Public Health Offices. They also issue drugs, etc., to all Government Administrations, Hospitals and Dispensaries attached to the Provincial Councils, as well as some private hospitals. The Central Stores also establish and equip Travelling hospitals, when necessity arises.

Economies made in this year's budget amounted to L.E. 60,630. This was due to the commercial competition among different countries in supplying the required commodities as well as other reasons shown in detail in the Stores Report.

The work of the Central Stores has increased in proportion to the general expansion of the Department and the creation of new branches therein. The Stores compile their budget, advertise for the adjudications and orders required. They also prepare contracts and receive the articles supplied by merchants.

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### SANITARY INSPECTION SECTION.

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A Sanitary Inspection Section was created on June 1, 1924, in the Department for the proper control of the work of Provincial Health Offices (Mudîrîyas, Governorates and Markazes, etc.); the country was divided from the public health point of view, into four regions as follows :—

- (1) Gharbîya, Menûfiya and Behera Provinces and Damietta Governorate.
- (2) Gîza, Qalyûbîya, Sharqîya and Daqahlîya Provinces ; and Canal Governorate.
- (3) Asyût, Minya, Beni-Suef and Faïyûm Provinces.
- (4) Gerga, Qena and Aswân Provinces.

An inspector of wide departmental experience has been entrusted with the work of each of these four regions, under the control of the Inspector-General.

The duties of the Section comprise the supervision of the work of the Department's staff in the Provinces, and instructing them in the proper way of carrying out their duties.

Medico-Legal work is also within the radius of the Section. The number of injured persons medically examined and given first aid by the Department's Medical officers amounted to 76,274 in 1924 against 68,405 in 1923.

The Section also investigates complaints against the technical and clerical staff of the Department ; they were somewhat numerous, but most of them on examination, proved to be groundless. The following figures give the number of complaints received in the last half of the year and the steps taken in connection with them :—

117 found groundless.

53 found justified and necessary action taken.

7 under consideration.

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177 Total.

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### D.P.H. "ARRÊTÉS."

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The following are the *Arrêtés* issued during 1924 regarding the work of the Department of Public Health :—

*Arrêté* dated February 25, 1924, adding the establishments for the pressing and cleaning of cotton to the schedule of Unhealthy establishments, Section I (a).

*Arrêté* dated June 29, 1924, adding vegetable and fruit markets to the schedule of Unhealthy establishments, Section II (a).

*Arrêté* dated September 21, 1924, making law No. 14-1909 (which forbids the employment of adolescents under 9 years of age in cotton ginning factories) applicable to establishments for the pressing and cleaning of cotton.

*Arrêté* dated December 7, 1924, modifying the composition of the Consultative Board of Health.

*Arrêté* dated December 22, 1924, modifying para. 5 of the *Arrêté* dated October 3, 1913, relative to the transport of rags.



*Arrêté* dated December 24, 1924, adding the establishments for the sifting and cleaning of crops machinery, to the schedule of Unhealthy Establishments, Section 1 (a).

#### SANITARY CONTRAVENTIONS.

|   |     |     |     |     |     |     |               |
|---|-----|-----|-----|-----|-----|-----|---------------|
| Number of sanitary contraventions 1924        | ... | ... | ... | ... | ... | ... | 13,115        |
| Number of offenders sentenced                 | ... | ... | ... | ... | ... | ... | 10,121        |
| Number of acquittals                          | ... | ... | ... | ... | ... | ... | 223           |
| Number of <i>procès-verbaux</i> filed         | ... | ... | ... | ... | ... | ... | 696           |
| Number of cases pending                       | ... | ... | ... | ... | ... | ... | 2,075         |
| Rate of acquittals to total of contraventions | ... | ... | ... | ... | ... | ... | 1.7 per cent. |

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#### MEDICAL PERMITS.

During the year, permits to practice their profession in Egypt were issued to :—

- 185 doctors.
- 44 pharmacists.
- 33 assistant-pharmacists.
- 13 dentists.
- 2 veterinary surgeons.
- 22 midwives.



SECTION I.

I.—VITAL STATISTICS.

The birth rate in 1924 amounted to 43·3 per thousand of population, as against 43 per thousand in 1923.

The death rate amounted to 24·6 per thousand of population, as against 25·7 per thousand in 1923.

TABLE I.—ANNUAL GENERAL RETURN OF BIRTHS AND DEATHS REGISTERED IN EGYPT DURING THE YEAR 1924.

| GOVERNORATES AND PROVINCES. | POPULATION CALCULATED. | BIRTHS.    |             |         |              | DEATHS.    |             |         |              |
|-----------------------------|------------------------|------------|-------------|---------|--------------|------------|-------------|---------|--------------|
|                             |                        | Egyptians. | Foreigners. | Total.  | per Thousand | Egyptians. | Foreigners. | Total.  | per Thousand |
| GOVERNORATES.               |                        |            |             |         |              |            |             |         |              |
| Cairo ... ..                | 804,200                | 40,817     | 650         | 41,467  | 51·6         | 26,663     | 563         | 27,226  | 33·9         |
| Alexandria ... ..           | 477,100                | 21,677     | 1,556       | 23,233  | 48·7         | 13,050     | 842         | 13,892  | 29·1         |
| Canal { Ismailia...         | 27,100                 | 1,326      | 123         | 1,449   | 53·5         | 670        | 53          | 723     | 26·7         |
| { Port Said                 | 85,400                 | 3,710      | 295         | 4,005   | 46·9         | 1,851      | 170         | 2,021   | 23·7         |
| Damietta ... ..             | 35,100                 | 1,459      | 5           | 1,464   | 41·7         | 719        | 2           | 721     | 20·5         |
| Suez ... ..                 | 33,500                 | 1,397      | 182         | 1,579   | 47·1         | 884        | 83          | 967     | 28·9         |
| Eastern Desert ...          | 38,700                 | 1,562      | —           | 1,562   | 40·4         | 1,040      | 2           | 1,042   | 26·9         |
| Western Desert ...          | 5,400                  | 1,004      | 27          | 1,031   | —            | 466        | 20          | 486     | —            |
| Sinai Province ...          | 5,400                  | 515        | —           | 515     | —            | 402        | —           | 402     | —            |
| TOTAL... ..                 | 1,511,900              | 73,467     | 2,838       | 76,305  | 50·5         | 45,745     | 1,735       | 47,480  | 31·4         |
| PROVINCES.                  |                        |            |             |         |              |            |             |         |              |
| Lower Egypt:—               |                        |            |             |         |              |            |             |         |              |
| Beheira ... ..              | 967,300                | 36,128     | 15          | 36,143  | 37·4         | 20,902     | 7           | 20,909  | 21·6         |
| Daqahliya ... ..            | 1,090,300              | 49,010     | 36          | 49,046  | 45·0         | 24,750     | 21          | 24,771  | 22·7         |
| Gharbiya ... ..             | 1,788,700              | 74,674     | 55          | 74,729  | 41·8         | 44,381     | 29          | 44,410  | 24·8         |
| Minûfiya ... ..             | 1,170,300              | 51,387     | 6           | 51,393  | 43·9         | 29,043     | 7           | 29,050  | 24·8         |
| Qalyûbiya... ..             | 580,000                | 24,907     | 7           | 24,914  | 43·0         | 15,014     | 9           | 15,023  | 25·9         |
| Sharqîya ... ..             | 1,017,100              | 41,605     | 30          | 41,635  | 40·9         | 23,118     | 23          | 23,141  | 22·8         |
| TOTAL... ..                 | 6,613,700              | 277,711    | 149         | 277,860 | 42·0         | 157,208    | 96          | 157,304 | 23·8         |
| Upper Egypt:—               |                        |            |             |         |              |            |             |         |              |
| Asyût ... ..                | 1,108,200              | 49,502     | 10          | 49,512  | 44·7         | 27,433     | 5           | 27,438  | 24·8         |
| Aswân ... ..                | 267,600                | 8,951      | 3           | 8,954   | 33·5         | 6,537      | 2           | 6,539   | 24·4         |
| Beni Suef ... ..            | 522,800                | 23,221     | 7           | 23,228  | 44·4         | 10,957     | 5           | 10,962  | 21·0         |
| Faiyûm ... ..               | 565,800                | 27,020     | 7           | 27,027  | 47·8         | 16,173     | 2           | 16,175  | 28·6         |
| Girga ... ..                | 977,700                | 40,593     | 2           | 40,595  | 41·5         | 22,124     | 4           | 22,128  | 22·6         |
| Gîza ... ..                 | 623,800                | 29,430     | 1           | 29,431  | 47·2         | 15,514     | 1           | 15,515  | 24·9         |
| Minya ... ..                | 853,700                | 36,910     | 17          | 36,927  | 43·3         | 23,173     | 8           | 23,181  | 27·2         |
| Qena ... ..                 | 929,200                | 34,723     | 6           | 34,729  | 37·4         | 17,139     | 3           | 17,142  | 18·4         |
| TOTAL... ..                 | 5,848,800              | 250,350    | 53          | 250,403 | 42·8         | 139,050    | 30          | 139,080 | 23·8         |
| GENERAL TOTAL {             | 13,974,400             | 601,528    | 3,040       | 604,568 | 43·3         | 342,003    | 1,861       | 343,864 | 24·6         |
|                             | 9,500                  |            |             |         |              |            |             |         |              |
|                             | 13,964,900             |            |             |         |              |            |             |         |              |

TABLE II.—TOTAL POPULATION, BIRTHS, DEATHS, AND INFANT MORTALITY IN THE GOVERNORATES AND CHIEF TOWNS DURING THE YEAR 1924.

| GOVERNORATES AND<br>CHIEF TOWNS. | Population<br>estimated up<br>to July 1, 1924. | BIRTHS.    |             |        | DEATHS.          |            |             | INFANT MORTALITY. |                  | PER CENT OF INFANT MORTALITY. |            |              |            |
|----------------------------------|--|------------|-------------|--------|------------------|------------|-------------|-------------------|------------------|-------------------------------|------------|--------------|------------|
|                                  |  | Egyptians. | Foreigners. | Total. | Per<br>Thousand. | Egyptians. | Foreigners. | Total.            | Per<br>Thousand. | Deaths under 1 Year.          |            | 1-9<br>Years |            |
|                                  |  |            |             |        |                  |            |             |                   |                  | To Births.                    | To Deaths. |              |            |
|                                  |  |            |             |        |                  |            |             |                   |                  |                               |            |              | To Births. |
| GOVERNORATES.                    |  |            |             |        |                  |            |             |                   |                  |                               |            |              |            |
| Cairo ... ..                     | 804,200  | 40,817     | 650         | 41,467 | 51.6             | 26,663     | 563         | 27,226            | 33.9             | 10,072                        | 7,602      | 24.3         | 27.9       |
| Alexandria... ..                 | 477,100  | 21,677     | 1,556       | 23,233 | 48.7             | 13,050     | 812         | 13,892            | 29.1             | 5,202                         | 3,468      | 22.4         | 25.0       |
| Ismailia "Bandar" ... ..         | 18,400   | 913        | 123         | 1,036  | 56.3             | 426        | 53          | 479               | 26.0             | 182                           | 116        | 17.6         | 24.2       |
| Port Said ... ..                 | 85,400   | 3,710      | 295         | 4,005  | 46.9             | 1,851      | 170         | 2,021             | 23.7             | 641                           | 648        | 16.0         | 32.1       |
| Damietta ... ..                  | 35,100   | 1,459      | 5           | 1,464  | 41.7             | 719        | 2           | 721               | 20.5             | 225                           | 195        | 15.4         | 27.0       |
| Suez ... ..                      | 33,500   | 1,397      | 182         | 1,579  | 47.1             | 884        | 83          | 967               | 28.9             | 364                           | 232        | 23.1         | 24.0       |
| Lower Egypt :—                   |  |            |             |        |                  |            |             |                   |                  |                               |            |              |            |
| Benha ... ..                     | 19,900   | 796        | 7           | 803    | 40.4             | 522        | 5           | 527               | 26.5             | 167                           | 147        | 20.8         | 27.9       |
| Damanhûr ... ..                  | 52,400   | 2,456      | 2           | 2,458  | 46.9             | 1,506      | 4           | 1,510             | 28.8             | 572                           | 369        | 23.3         | 24.4       |
| Mansûra... ..                    | 53,500   | 2,399      | 36          | 2,435  | 45.5             | 1,304      | 17          | 1,321             | 24.7             | 409                           | 348        | 16.8         | 26.3       |
| Shibîn el Kôm ... ..             | 28,400   | 1,386      | 6           | 1,392  | 49.0             | 579        | 4           | 583               | 20.5             | 184                           | 105        | 13.2         | 18.0       |
| Tanta ... ..                     | 79,800   | 3,726      | 19          | 3,745  | 46.9             | 2,475      | 12          | 2,487             | 31.2             | 772                           | 675        | 20.6         | 27.1       |
| Zagazig ... ..                   | 44,000   | 1,915      | 20          | 1,935  | 44.0             | 1,218      | 14          | 1,232             | 28.0             | 393                           | 296        | 20.3         | 24.0       |
| Upper Egypt :—                   |  |            |             |        |                  |            |             |                   |                  |                               |            |              |            |
| Asyût ... ..                     | 54,500   | 2,598      | 8           | 2,606  | 47.8             | 1,758      | 4           | 1,762             | 32.3             | 655                           | 521        | 25.1         | 29.6       |
| Aswân ... ..                     | 11,500   | 543        | 1           | 544    | 47.3             | 462        | 2           | 464               | 40.3             | 150                           | 140        | 27.6         | 30.2       |
| Beni Suef ... ..                 | 33,800   | 1,902      | 7           | 1,909  | 56.5             | 1,295      | 4           | 1,299             | 38.4             | 510                           | 372        | 26.7         | 28.6       |
| Faiyûm ... ..                    | 48,100   | 2,862      | 5           | 2,867  | 59.6             | 2,930      | —           | 1,930             | 40.1             | 860                           | 498        | 30.0         | 25.8       |
| Gîza ... ..                      | 20,100   | 1,262      | —           | 1,262  | 62.8             | 844        | —           | 844               | 42.0             | 377                           | 233        | 29.9         | 27.6       |
| Minya ... ..                     | 37,000   | 2,128      | 9           | 2,137  | 57.8             | 1,537      | 3           | 1,540             | 41.6             | 594                           | 469        | 27.8         | 30.5       |
| Qena ... ..                      | 24,400   | 1,413      | —           | 1,413  | 57.9             | 950        | —           | 950               | 38.9             | 396                           | 214        | 28.0         | 22.5       |
| Sohâg ... ..                     | 21,800   | 1,270      | 1           | 1,271  | 58.3             | 852        | 1           | 853               | 39.1             | 330                           | 231        | 26.0         | 27.1       |
| TOTAL ... ..                     | 1,982,900                                      | 96,629     | 2,932       | 99,561 | 50.2             | 60,825     | 1,783       | 62,608            | 31.6             | 23,055                        | 16,879     | 23.2         | 27.0       |



## 2.—UNHEALTHY, INCONVENIENT AND DANGEROUS ESTABLISHMENTS.

The number of applications for licences for establishments falling under Class 1 dealt with during 1924 was 735 as compared with 626 in 1923, 565 in 1922, 478 in 1921 and 263 in 1920.

A statistical table showing in detail the types of 1st class establishments proposed for licences and dealt with in 1924 is hereunder mentioned.

302 Ministerial *Arrêtés* laying down additional conditions to improve the sanitary condition of various existing establishments were approved by the Administration during 1924.

A statistical table showing in detail these Ministerial *Arrêtés* is mentioned on page 26.

A general statistical table showing the number of all types of establishments licensed under the Health Division of the Schedule of Etablissements Insalubres and existing in the whole of Egypt up to 31st December 1924 is inserted on page 28.

It will be observed from this table that the number of 1st Class Establishments is 4,839; 2nd Class Establishments 48,944; 3rd Class Establishments 8,464; total number of the three classes being 62,247.

TABLE III.—Details of the applications for licences for Establishments falling under Class 1 of the Law of August 1904 (Public and Cattle Markets included) which were dealt with in 1924 :—

| NATURE OF ESTABLISHMENT.   | Approved. | Refused. | Given up. | Under<br>Consideration | TOTAL. |
|--|-----------|----------|-----------|------------------------|--------|
| Sweetmeat factories... ..  | 37        | 3        | 13        | 13                     | 66     |
| Sweetmeat and pastry factories ... ..                                      | 2         | —        | —         | —                      | 2      |
| Jam factories ... ..   | 1         | —        | —         | —                      | 1      |
| Pastry and alimentary paste ests. ... ..                                   | 17        | —        | 1         | 2                      | 20     |
| Public bakeries... ..  | 145       | 5        | 9         | 35                     | 194    |
| Dairies ... ..   | 37        | 2        | 7         | 7                      | 53     |
| Dairy, cheese and butter est. ... ..                                       | 1         | —        | —         | —                      | 1      |
| Cheese factories ... ..  | 1         | —        | —         | —                      | 1      |
| Butter and cheese factories ... ..   | 10        | —        | 1         | 7                      | 18     |
| Natural butter factories ... ..  | 2         | —        | 1         | —                      | 3      |
| Butter substitute factories ... ..   | 2         | —        | —         | 4                      | 6      |
| Rice husking establishments ... ..   | 13        | —        | —         | 1                      | 14     |
| Corn grinding and rice husking establish-<br>ments ... ..                  | 92        | —        | 9         | 5                      | 126    |
| Corn grinding and cotton ginning establish-<br>ments ... ..                | 1         | —        | —         | —                      | 1      |
| Corn grinding and sugar-cane crushing esta-<br>blishments ... ..           | —         | 1        | —         | —                      | 1      |
| Corn grinding, rice-husking and sesame pres-<br>sing establishments ... .. | 1         | —        | —         | 1                      | 2      |
| Corn grinding and electricity engendering<br>establishments ... ..         | —         | —        | —         | 1                      | 1      |
| Sugar-cane crushing establishments ... ..                                  | 4         | —        | —         | 3                      | 7      |
| Ice-cream factories ... ..   | 12        | 1        | 11        | 1                      | 25     |
| Ice factories ... ..   | 4         | —        | —         | 1                      | 5      |
| Aerated water factories ... ..   | 21        | 1        | 4         | 5                      | 31     |
| Beer factories ... ..  | —         | —        | —         | 1                      | 1      |
| Distilleries... ..   | 9         | —        | 1         | 2                      | 12     |
| Public and swimming baths ... ..   | 4         | 1        | 1         | 1                      | 7      |
| Cotton ginning factories... ..   | 9         | —        | —         | 5                      | 14     |
| Tobacco and cigarette factories ... ..                                     | 2         | —        | —         | —                      | 2      |
| Fish <i>halaqas</i> ... ..   | 9         | —        | 1         | 1                      | 11     |
| <i>Fessikh</i> factories ... ..  | 9         | —        | —         | —                      | 9      |
| Meat Preserving establishments ... ..                                      | 5         | 1        | 1         | —                      | 7      |
| Soap factories ... ..  | 9         | 1        | 3         | —                      | 13     |
| Wax factories ... ..   | 2         | —        | —         | —                      | 2      |
| Tanneries ... ..   | 2         | —        | 1         | 2                      | 5      |
| Flax scutching establishment .. ..   | —         | —        | —         | 1                      | 1      |
| Sewage depots ... ..   | 1         | —        | —         | —                      | 1      |
| Depots of chemical products ... ..   | —         | —        | —         | 1                      | 1      |
| Hospitals ... ..   | —         | —        | —         | 1                      | 1      |
| Public and cattle markets ... ..   | 31        | 5        | 2         | 11                     | 49     |
| Public markets without cattle ... ..                                       | 9         | 2        | —         | 2                      | 13     |
| Vegetable and fruit markets ... ..   | 4         | —        | —         | —                      | 4      |
| Food markets ... ..  | 1         | —        | —         | 1                      | 2      |
| Macaroni factories ... ..  | —         | —        | 1         | 1                      | 2      |
| TOTAL ... ..   | 509       | 23       | 67        | 136                    | 735    |



# MINISTERIAL “ ARRÊTÉS.”

TABLE IV.—The draft *arrêtés* laying down additional conditions for establishments possessing permits under the Law of August 1904 (Etablissements Insalubres) approved in 1924 are as follows :—

| NATURE OF ESTABLISHMENT.                         | Number. | TOTAL. |  |  |  |  |  |  |  |  |  |  |
|--|---------|--------|--|--|--|--|--|--|--|--|--|--|
| <i>Alexandria :—</i>                             |         |        |  |  |  |  |  |  |  |  |  |  |
| Public bakeries...                               | 39      |        |  |  |  |  |  |  |  |  |  |  |
| Public stables ...                               | 26      |        |  |  |  |  |  |  |  |  |  |  |
| Groceries ...                                    | 22      |        |  |  |  |  |  |  |  |  |  |  |
| Sweetmeat factories...                           | 16      |        |  |  |  |  |  |  |  |  |  |  |
| Grocery, petroleum and alcohol establishments... | 13      |        |  |  |  |  |  |  |  |  |  |  |
| Blacksmiths establishments ...                   | 12      |        |  |  |  |  |  |  |  |  |  |  |
| Butcheries ...                                   | 7       |        |  |  |  |  |  |  |  |  |  |  |
| Wood depots ...                                  | 6       |        |  |  |  |  |  |  |  |  |  |  |
| Oil mills ...                                    | 7       |        |  |  |  |  |  |  |  |  |  |  |
| Depots of spiritual liquors ...                  | 5       |        |  |  |  |  |  |  |  |  |  |  |
| Flour depots ...                                 | 5       |        |  |  |  |  |  |  |  |  |  |  |
| Public cookshops ...                             | 4       |        |  |  |  |  |  |  |  |  |  |  |
| Carpentry shops ...                              | 4       |        |  |  |  |  |  |  |  |  |  |  |
| Soap factories ...                               | 4       |        |  |  |  |  |  |  |  |  |  |  |
| <i>Fessikh</i> depots ...                        | 4       |        |  |  |  |  |  |  |  |  |  |  |
| Metal tinning establishments...                  | 3       |        |  |  |  |  |  |  |  |  |  |  |
| <i>Balât</i> factories ...                       | 4       |        |  |  |  |  |  |  |  |  |  |  |
| Grocery depots...                                | 3       |        |  |  |  |  |  |  |  |  |  |  |
| Establishments for the sale of food articles...  | 3       |        |  |  |  |  |  |  |  |  |  |  |
| Establishments for the sale of oils ...          | 3       |        |  |  |  |  |  |  |  |  |  |  |
| Milkshops ...                                    | 2       |        |  |  |  |  |  |  |  |  |  |  |
| Tinsmith shops ...                               | 2       |        |  |  |  |  |  |  |  |  |  |  |
| Poultry shops ...                                | 2       |        |  |  |  |  |  |  |  |  |  |  |
| Ironing of clothes establishments ...            | 2       |        |  |  |  |  |  |  |  |  |  |  |
| Dyeshops ...                                     | 3       |        |  |  |  |  |  |  |  |  |  |  |
| Tanneries ...                                    | 2       |        |  |  |  |  |  |  |  |  |  |  |
| Cattle <i>zeribas</i> ...                        | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Alcohol depots ...                               | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Shop for the sale of vegetables ...              | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Frying and roasting establishments ...           | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Tin depot ...                                    | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Coffee grinding establishments ...               | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Fruit depot ...                                  | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Rag depot ...                                    | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Cotton cleaning establishment...                 | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Peas oven ...                                    | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Corn-mills ...                                   | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Pickling establishments ...                      | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Meat preserving establishment ...                | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Public laundries ...                             | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Tripery ...                                      | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Tobacco factory...                               | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Alcohol and benzine establishment ...            | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Carob mill ...                                   | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Heavy iron and copper foundries ...              | 1       | 222    |  |  |  |  |  |  |  |  |  |  |
| <i>Cairo :—</i>                                  |         |        |  |  |  |  |  |  |  |  |  |  |
| Public stables ...                               | 10      |        |  |  |  |  |  |  |  |  |  |  |
| Oil-mills ...                                    | 5       |        |  |  |  |  |  |  |  |  |  |  |
| Cattle <i>zeribas</i> ...                        | 3       |        |  |  |  |  |  |  |  |  |  |  |
| Establishments for curdling milk ...             | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Milkshops ...                                    | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Butcheries ...                                   | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Public baths ...                                 | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Sweetmeat factories...                           | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Wax factories ...                                | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Tanneries ...                                    | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Tripery cookshops ...                            | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Public kitchens...                               | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Frying and roasting of meat ...                  | 1       |        |  |  |  |  |  |  |  |  |  |  |
| <i>Bouza</i> factories...                        | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Shops for the sale of vegetables ...             | 1       |        |  |  |  |  |  |  |  |  |  |  |
| Bakeries ...                                     | 1       | 31     |  |  |  |  |  |  |  |  |  |  |
| Carried forward ...                              | 253     | 253    |  |  |  |  |  |  |  |  |  |  |

TABLE IV.—MINISTERIAL “ARRÊTÉS” (*continued*).

| NATURE OF ESTABLISHMENT.                               | Number. | TOTAL. |
|--|---------|--------|
| <i>Brought forward</i> ... ..                          | 253     | 253    |
| <i>Daqahliya Province :—</i>                           |         |        |
| Public bakeries ... ..                                 | 3       |        |
| Public swimming Baths ... ..                           | 2       |        |
| Oil-shop ... ..  | 1       |        |
| Grocery and flour depot ... ..                         | 1       |        |
| Depot for fresh skins ... ..                           | 1       |        |
| Oil-mill ... ..  | 1       | 9      |
| <i>Gharbiya Province :—</i>                            |         |        |
| Sweetmeat factories ... ..                             | 2       |        |
| Distillery ... ..                                      | 1       |        |
| Corn grinding establishment ... ..                     | 1       |        |
| Cookshop ... ..  | 1       |        |
| Oil-mill ... ..  | 1       | 6      |
| <i>Sharqîya Province :—</i>                            |         |        |
| Aerated water factories ... ..                         | 2       |        |
| Spiritual liquor establishment ... ..                  | 1       |        |
| Oil-mill ... ..  | 1       | 4      |
| <i>Qalyûbiya Province :—</i>                           |         |        |
| Groceries ... ..                                       | 2       |        |
| Stable .. ..   | 1       |        |
|  |         | 3      |
| <i>Beheira Province :—</i>                             |         |        |
| Oil-mill ... ..  | 1       | 1      |
| <i>Damietta Governorate :—</i>                         |         |        |
| Rice husking establishment ... ..                      | 7       | 7      |
| <i>Suez Governorate :—</i>                             |         |        |
| Public bakeries ... ..                                 | 4       | 4      |
| <i>Port-Said Governorate :—</i>                        |         |        |
| Sweetmeat factory ... ..                               | 1       |        |
| Public bakery ... ..                                   | 1       | 2      |
| <i>Beni-Suef Province :—</i>                           |         |        |
| Establishment for ironing clothes ... ..               | 1       | 1      |
| <i>Faiyûm Province :—</i>                              |         |        |
| Cotton ginning and corn grinding establishments ... .. | 4       |        |
| Corn grinding establishments ... ..                    | 2       |        |
| Cotton ginning establishment ... ..                    | 1       | 7      |
| <i>Minya Province :—</i>                               |         |        |
| Public cattle market ... ..                            | 1       | 1      |
| <i>Asyût Province :—</i>                               |         |        |
| Oil-mill ... ..  | 1       | 1      |
| <i>Qena Province :—</i>                                |         |        |
| Grocery ... ..   | 1       |        |
| Bouza establishment ... ..                             | 1       | 2      |
| <i>Asswân Province :—</i>                              |         |        |
| Aerated water factory ... ..                           | 1       | 1      |
| GRAND TOTAL ... ..                                     | 302     | 302    |



TABLE V.—“ETABLISSEMENTS INSALUBRES” OF CLASSES I, II,

| NATURE OF ESTABLISHMENT.   | GOVERNORATES. |         |                |        |          |        |        |            |                  |                 |            |          |                |         |            |          |            |
|--|---------------|---------|----------------|--------|----------|--------|--------|------------|------------------|-----------------|------------|----------|----------------|---------|------------|----------|------------|
|  | CAIRO.        |         |                |        |          |        |        |            |                  |                 |            |          |                |         |            |          |            |
|  | Ezbekiya.     | Shubra. | Bulaq 1 and 2. | Waili. | Zeitoun. | Abdin. | Muski. | Old Cairo. | Sayed el Zeinab. | Bab el Shariya. | Garnafiya. | Khalifa. | Darb el Ahmar. | Helwan. | El Gomrok. | Manshia. | El Labban. |
| CLASS I.—Category A “Saha.”  |               |         |                |        |          |        |        |            |                  |                 |            |          |                |         |            |          |            |
| Aerated water factories ... ..   | 7             | 5       | 8              | 2      | 2        | —      | 3      | —          | 1                | 3               | 8          | 1        | —              | —       | —          | —        | 1          |
| Preserved meat factories ... ..  | 2             | 1       | 1              | —      | —        | 1      | 3      | —          | 2                | —               | —          | —        | —              | —       | 4          | —        | 1          |
| Natural butter factories ... ..  | 12            | 6       | —              | 1      | 8        | 16     | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Butter substitute factories... ..  | 1             | —       | —              | —      | —        | —      | 6      | —          | 1                | —               | —          | —        | 1              | —       | —          | 1        | 1          |
| Milk bottling and canning establishments   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Cheese factories ... ..  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Sugar refineries ... ..  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Food markets ... ..  | 1             | —       | —              | —      | 1        | 1      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Wholesale fish markets ... ..  | 1             | —       | —              | —      | —        | —      | —      | 1          | —                | —               | —          | —        | —              | —       | —          | 1        | —          |
| Fessikh factories ... ..   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | 10       | 12         |
| Fish preserving factories ... ..   | —             | —       | —              | —      | —        | 1      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Ovens and bakeries ... ..  | 65            | 46      | 72             | 53     | 19       | 24     | 45     | 14         | 75               | 61              | 79         | 57       | 74             | 8       | 69         | 29       | 67         |
| Sweetmeat factories ... ..   | 13            | 7       | 15             | 1      | 1        | 10     | 38     | 4          | 8                | 16              | 32         | 7        | 8              | 1       | 22         | 15       | 9          |
| Vegetable and fruit preserving factories   | 3             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Dairies (sale of milk, etc.)... ..   | 23            | 13      | 5              | 18     | 9        | 20     | 4      | —          | 28               | —               | 25         | 9        | 19             | 5       | 9          | 14       | 9          |
| Ice-cream factories and depots... ..   | 11            | —       | —              | —      | —        | 3      | 1      | 1          | 1                | 3               | 1          | —        | 2              | —       | 1          | 1        | 3          |
| Pastry and alimentary paste factories ...  | 18            | 2       | 16             | 19     | 3        | 9      | 27     | 3          | 11               | 23              | 7          | 1        | 2              | 1       | 25         | 20       | 25         |
| Sugar-cane factories, etc., by mechanical motors                                 | 1             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | 3        | —          |
| Starch factories ... ..  | —             | —       | 1              | —      | —        | —      | —      | 2          | —                | —               | 3          | —        | —              | —       | —          | —        | —          |
| Breweries and beer factories ... ..  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Beer bottling establishments ... ..  | 3             | —       | —              | —      | —        | —      | 5      | —          | —                | —               | —          | —        | —              | —       | 2          | 2        | 1          |
| Alcohol factories... ..  | —             | 1       | —              | —      | —        | —      | —      | —          | —                | —               | 1          | —        | —              | 2       | —          | —        | —          |
| Distilleries ... ..  | 15            | —       | 2              | —      | —        | 1      | 5      | —          | —                | 6               | 13         | —        | —              | —       | 4          | 10       | 12         |
| Slaughter-houses... ..   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Ice factories... ..  | —             | 1       | 2              | —      | —        | 1      | —      | —          | —                | —               | 1          | —        | —              | —       | —          | —        | 1          |
| Cold storage establishments ... ..   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | 1          |
| Asphalt and bitumen factories ... ..   | —             | —       | 1              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | 1       | —          | —        | 1          |
| Match factories ... ..   | —             | 1       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Public baths... ..   | 1             | —       | 6              | 1      | —        | 4      | 2      | 1          | 8                | 4               | 19         | 9        | 17             | 1       | 2          | 1        | 3          |
| Cotton ginning factories ... ..  | —             | 1       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Rice-husking factories ... ..  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Hospitals ... ..   | 1             | —       | —              | 3      | —        | 4      | —      | 2          | —                | —               | —          | —        | —              | 1       | 2          | —        | 2          |
| Crematoria ... ..  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Embalming establishments (human bodies)  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| India rubber factories... ..   | —             | —       | 1              | 1      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | 1        | —          |
| Paper factories ... ..   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Candle, tallow, and soap factories ...   | 10            | 3       | 4              | 2      | —        | —      | 4      | 3          | —                | —               | 8          | —        | 5              | —       | —          | 3        | 6          |
| Tanneries ... ..   | —             | —       | —              | —      | —        | —      | —      | 41         | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Mineral acids and chemical product fact...                                       | —             | —       | —              | —      | —        | 1      | —      | —          | —                | —               | —          | —        | 1              | 1       | —          | —        | —          |
| Depots of chemical products, except mineral acids and chemical manures...        | —             | —       | —              | —      | —        | 1      | —      | 1          | —                | 2               | —          | —        | —              | 1       | 1          | —        | —          |
| Sewage and refuse depots ... ..  | —             | —       | —              | —      | —        | —      | —      | 1          | —                | —               | —          | —        | —              | 1       | —          | —        | —          |
| Manufactories of manure from sewage...   | —             | —       | —              | —      | —        | —      | —      | 2          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Knacker's yards ... ..   | —             | —       | —              | —      | —        | —      | —      | 1          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Flax and hemp scutching and carding mills  | —             | 1       | —              | —      | —        | —      | —      | 1          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| Tobacco and cigarette factories ... ..   | 4             | 3       | —              | —      | —        | 1      | 1      | 1          | —                | —               | 1          | —        | 1              | —       | —          | 1        | 4          |
| Establishments for the making of Alcoholic Liquors or Wines without Distillation | —             | —       | —              | —      | —        | —      | —      | 1          | —                | —               | —          | —        | 1              | —       | —          | —        | —          |
| Pressing and Cleaning Cotton Establishments...                                   | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | 1          |
| TOTAL CLASS I....  | —             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | —        | —              | —       | —          | —        | —          |
| CLASS II.—Category A “Saha.”   |               |         |                |        |          |        |        |            |                  |                 |            |          |                |         |            |          |            |
| Groceries (bagqals) ... ..   | 763           | 874     | 688            | 457    | 316      | 395    | 361    | 269        | 657              | 432             | 537        | 351      | 651            | 299     | 374        | 202      | 233        |
| Retail oil shops (vegetable oils) ... ..   | 26            | —       | 66             | 1      | 13       | 3      | —      | 34         | —                | 21              | 14         | 24       | —              | 6       | —          | 2        | 5          |
| Wholesale grocery depots ... ..  | 15            | —       | —              | 2      | —        | —      | —      | —          | —                | —               | 94         | —        | 2              | —       | 95         | 53       | 9          |
| Flour depots... ..   | 64            | 55      | 114            | 30     | 4        | 62     | 69     | 42         | 80               | 67              | 60         | 67       | 98             | 13      | 41         | 9        | 47         |
| Vinegar factories... ..  | 3             | 2       | 3              | 3      | —        | —      | 2      | —          | 5                | 2               | 1          | 1        | 2              | —       | —          | 2        | —          |
| Public kitchens ... ..   | 98            | 24      | 23             | 16     | 26       | 43     | 54     | 9          | 33               | 22              | 48         | 12       | 20             | 11      | 12         | 63       | 35         |
| Sugar-cane factories, (not by Mech. motor)                                       | —             | —       | —              | 2      | —        | —      | —      | —          | 2                | 1               | —          | —        | 3              | —       | 3          | —        | 3          |
| Fessikh depots ... ..  | 1             | —       | —              | —      | —        | —      | —      | —          | —                | —               | —          | 6        | —              | 1       | 4          | 3        | 5          |
| Pickle (turshy) factories ... ..   | 2             | 2       | 7              | 4      | —        | —      | 2      | 4          | 1                | 5               | 1          | 4        | 3              | —       | 4          | 3        | 5          |

AND III, LICENSED IN EGYPT UP TO DECEMBER 31, 1924.

| ALEXANDRIA. |                |         |          |               |                    |         |       |           |                         | PROVINCES. |           |            |           |           |            |       |         |            |        |        |        |       |        | TOTAL. |
|-------------|----------------|---------|----------|---------------|--------------------|---------|-------|-----------|-------------------------|------------|-----------|------------|-----------|-----------|------------|-------|---------|------------|--------|--------|--------|-------|--------|--------|
| El Attarin. | Mina el Basal. | Karnûz. | El Mina. | Muharram Bey. | El Raml and Hadra. | Maryût. | Suez. | Damietta. | Port Said and Ismailia. | Beheira.   | Gharbiya. | Daqahliya. | Sharqiya. | Minûfiya. | Qalyûbiya. | Giza. | Faiyûm. | Beni Suef. | Minya. | Asyût. | Girga. | Qena. | Aswân. |        |
| 4           | —              | 2       | —        | —             | 1                  | —       | 5     | 4         | 9                       | 5          | 11        | 6          | 9         | 5         | 5          | —     | 3       | 3          | 5      | 5      | 3      | 3     | 3      | 134    |
| 1           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 16     |
| 3           | —              | —       | —        | —             | 1                  | —       | —     | 14        | 2                       | 1          | —         | 2          | —         | —         | 1          | —     | —       | —          | —      | —      | 4      | —     | —      | 71     |
| 1           | —              | —       | —        | —             | —                  | —       | 1     | —         | 1                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 14     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | 1         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 1      |
| —           | —              | —       | —        | —             | 1                  | —       | —     | 24        | —                       | 1          | —         | 10         | —         | —         | 1          | 1     | 2       | —          | —      | —      | —      | —     | —      | 40     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | 1     | —       | —          | —      | —      | —      | —     | —      | 1      |
| 1           | —              | —       | —        | —             | 4                  | —       | —     | —         | 2                       | —          | —         | 2          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 12     |
| —           | —              | 1       | —        | —             | —                  | —       | 1     | 6         | 1                       | 4          | 4         | 1          | 2         | 1         | 3          | 3     | 2       | 3          | —      | 1      | 6      | —     | 3      | 45     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | 5         | 2          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 29     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | 1                       | —          | —         | 3          | —         | —         | —          | 1     | —       | —          | —      | —      | —      | —     | —      | 6      |
| 45          | 79             | 101     | —        | 18            | 48                 | —       | 50    | 130       | 144                     | 59         | 168       | 84         | 51        | 28        | 22         | 18    | 8       | 16         | 57     | 23     | 2      | 20    | 6      | 2,024  |
| 8           | 1              | 5       | —        | —             | 4                  | —       | —     | 16        | 16                      | 20         | 56        | 38         | 26        | 23        | 13         | 9     | 10      | 5          | 9      | 2      | 4      | 4     | —      | 476    |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | 4     | —       | —          | —      | —      | —      | —     | —      | 7      |
| 25          | 4              | 2       | —        | 8             | 8                  | —       | —     | —         | 9                       | —          | 3         | —          | 1         | —         | 1          | 4     | —       | —          | —      | 2      | 6      | —     | —      | 283    |
| 6           | 1              | 37      | —        | —             | 11                 | —       | 1     | —         | 2                       | —          | —         | 1          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 87     |
| 19          | 25             | 30      | —        | 5             | 2                  | —       | 7     | 2         | 9                       | 4          | 13        | 2          | 3         | 2         | 1          | 3     | 1       | —          | 4      | —      | —      | —     | —      | 344    |
| —           | —              | —       | —        | —             | 4                  | —       | —     | —         | —                       | —          | —         | 3          | —         | —         | —          | 1     | —       | 1          | 5      | 43     | —      | 17    | 1      | 79     |
| —           | —              | 1       | —        | —             | 1                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 8      |
| —           | —              | 1       | —        | —             | 1                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | 1     | —       | —          | —      | —      | —      | —     | —      | 3      |
| —           | —              | —       | —        | 1             | 1                  | —       | —     | —         | 1                       | —          | 1         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 17     |
| —           | —              | 1       | —        | 1             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 7      |
| 8           | —              | 1       | —        | 1             | —                  | —       | —     | —         | 3                       | —          | 8         | 3          | 1         | 2         | 1          | —     | —       | —          | —      | 3      | 1      | 2     | —      | 103    |
| —           | 1              | —       | —        | —             | —                  | —       | 1     | 2         | —                       | 3          | 5         | 2          | —         | 2         | 4          | —     | 3       | —          | 7      | 2      | —      | —     | —      | 32     |
| —           | —              | 2       | —        | 1             | 1                  | —       | 2     | 4         | 6                       | 2          | 3         | 1          | 1         | —         | —          | 1     | 1       | 1          | —      | 1      | —      | 1     | 1      | 35     |
| —           | —              | —       | —        | 1             | —                  | —       | —     | —         | 3                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 5      |
| —           | —              | 3       | —        | 1             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 7      |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 1      |
| 1           | 2              | —       | —        | —             | 4                  | —       | 2     | 40        | 3                       | 3          | 13        | 4          | 1         | 1         | —          | 1     | 2       | 1          | 1      | 3      | —      | 1     | —      | 126    |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | 16         | 53        | 8          | 11        | 7         | 7          | —     | 9       | 8          | 10     | 2      | —      | —     | —      | 132    |
| —           | —              | 1       | —        | —             | —                  | —       | —     | 60        | —                       | 37         | 42        | 101        | 21        | —         | —          | —     | 1       | —          | —      | —      | —      | —     | —      | 262    |
| 2           | 1              | —       | —        | 8             | 3                  | —       | —     | —         | —                       | —          | 3         | —          | —         | —         | 6          | —     | —       | —          | —      | 3      | —      | —     | —      | 41     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | —      |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | —      |
| —           | —              | —       | —        | 1             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 3      |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 1      |
| 1           | 1              | 6       | —        | —             | —                  | —       | —     | —         | 1                       | —          | 3         | —          | —         | —         | 1          | —     | —       | —          | —      | 1      | —      | —     | —      | 62     |
| —           | 29             | —       | —        | —             | —                  | —       | —     | 2         | —                       | 2          | 15        | 60         | 1         | —         | —          | —     | 26      | 4          | 1      | 31     | —      | 3     | 1      | 216    |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 3      |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | 3         | 4          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 13     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | 1         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 2      |
| —           | —              | —       | —        | —             | —                  | —       | —     | 2         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 5      |
| —           | 1              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 2      |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 5      |
| 1           | 2              | —       | —        | 3             | —                  | —       | —     | —         | 4                       | 2          | 4         | 1          | 2         | 1         | —          | 1     | —       | —          | —      | —      | —      | —     | —      | 38     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | 3         | —         | —          | —     | —       | —          | —      | —      | —      | —     | 1      | 6      |
| —           | 12             | 1       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | 20         | —         | —         | —          | —     | —       | —          | 1      | —      | —      | —     | —      | 35     |
| —           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | —         | —          | —         | —         | —          | —     | —       | —          | —      | —      | —      | —     | —      | 4,839  |
| 235         | 298            | 684     | —        | 95            | 380                | —       | 226   | 356       | 568                     | 1717       | 3759      | 1562       | 1660      | 1902      | 778        | 789   | 760     | 770        | 640    | 739    | 412    | 459   | 315    | 26,963 |
| 1           | —              | —       | —        | —             | —                  | —       | —     | 298       | 469                     | 106        | 305       | 227        | 29        | 54        | 46         | 78    | 150     | 17         | 80     | 32     | 54     | 21    | 80     | 2,262  |
| 20          | —              | —       | —        | —             | —                  | —       | 11    | 2         | 47                      | 8          | 36        | 7          | 6         | 1         | —          | —     | 2       | —          | —      | 8      | 1      | —     | —      | 419    |
| 14          | 45             | 72      | —        | 8             | 12                 | —       | 4     | 12        | 143                     | 26         | 60        | 15         | 7         | 1         | 4          | 24    | 1       | —          | —      | 46     | 2      | 13    | —      | 1,431  |
| 1           | —              | —       | —        | —             | —                  | —       | —     | —         | —                       | —          | 4         | 2          | 1         | —         | 1          | —     | —       | —          | —      | 1      | —      | —     | —      | 36     |
| 49          | 29             | 10      | —        | 14            | 43                 | —       | 29    | 8         | 72                      | 37         | 115       | 73         | 79        | 32        | 25         | 40    | 22      | 22         | 73     | 52     | 49     | 34    | 29     | 1,485  |
| 5           | 2              | —       | —        | —             | —                  | —       | —     | —         | —                       | 1          | —         | 3          | 1         | —         | 1          | —     | —       | —          | 3      | 37     | 5      | 417   | —      | 489    |
| —           | —              | 3       | —        | 1             | 2                  | —       | 2     | 2         | —                       | 5          | 12        | 13         | 14        | —         | 1          | —     | 1       | —          | 2      | —      | —      | —     | —      | 78     |
| 2           | 1              | —       | —        | —             | —                  | —       | 2     | 8         | 5                       | 4          | 9         | 7          | —         | —         | 1          | 4     | 1       | 2          | 6      | 8      | —      | 1     | —      | 108    |



TABLE V.—“ETABLISSEMENTS INSALUBRES” OF CLASSES I, II,

| NATURE OF ESTABLISHMENT.  | GOVERNORATES. |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
|---|---------------|---------|----------------|--------|---------|--------|--------|------------|----------------|-----------------|-----------|----------|---------------|---------|------------|-----------|------------|
|   | CAIRO.        |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
|   | Ezbekiya.     | Shubra. | Bulâq 1 and 2. | Waili. | Zeitûn. | Abdin. | Muski. | Old Cairo. | Sayeda Zeinab. | Babel Sha'riya. | Gamâliya. | Khalifa. | Darbel Ahmar. | Helwân. | El Gumruk. | Manshiya. | El Labbân. |
| Oil-mills ... ..  | 4             | 3       | 7              | —      | —       | 1      | 1      | 2          | 6              | 10              | 7         | 3        | 5             | 1       | 2          | —         | 3          |
| Corn-mills ... ..   | 4             | 13      | 9              | 5      | 7       | 2      | —      | 3          | 9              | —               | 5         | 9        | 6             | 8       | 3          | —         | —          |
| Buza and fermented drink factories ...  | 4             | 2       | 5              | —      | —       | 2      | 3      | —          | 2              | 2               | 1         | 4        | 2             | 1       | —          | —         | 6          |
| Pig sties ... ..  | —             | —       | —              | —      | 1       | —      | —      | 5          | —              | —               | —         | —        | —             | 3       | —          | —         | —          |
| Tripe factories ... ..  | —             | —       | 9              | —      | —       | —      | —      | 2          | —              | —               | —         | —        | 3             | —       | —          | 4         | 13         |
| Dye works ... ..  | 3             | 14      | 41             | 7      | —       | 5      | 5      | 18         | 10             | 30              | 42        | 11       | 42            | 16      | 6          | 7         | 12         |
| Bricks, tile works and potteries, lime and gypsum kilns (permanent) ... ..                            | —             | 13      | 8              | 1      | 3       | —      | —      | 50         | 2              | —               | —         | 9        | —             | —       | —          | —         | —          |
| Bricks, tile works and potteries, lime and gypsum kilns (temporary on Nile banks and in towns) ... .. | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | 9        | —             | 4       | —          | —         | —          |
| Gypsum mills ... ..   | 2             | 2       | 2              | —      | —       | —      | —      | 8          | 5              | 4               | 5         | 8        | 4             | 2       | —          | —         | 1          |
| Rag and bone stores ... ..  | 1             | —       | 22             | —      | —       | —      | —      | 5          | 1              | —               | —         | —        | 1             | —       | —          | —         | —          |
| Glue factories (from animal matter) ...   | —             | —       | —              | —      | —       | —      | —      | 2          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Catgut works ... ..   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Depots of hides and skins ... ..  | —             | —       | —              | —      | —       | —      | —      | 20         | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Public and cattle markets ... ..  | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | 1       | —          | —         | —          |
| Calcination of bones factories ... ..   | —             | —       | —              | —      | —       | —      | —      | —          | 1              | —               | —         | —        | —             | —       | —          | —         | —          |
| Animal charcoal factories (from bones) ...  | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Public laundries ... ..   | 1             | 1       | —              | 2      | —       | —      | —      | —          | 1              | —               | —         | —        | —             | —       | 1          | 1         | —          |
| Mills for beating, carding, and pressing of wool, hair, etc. ... ..                                   | —             | —       | 9              | —      | —       | —      | —      | 1          | —              | —               | —         | —        | 4             | —       | —          | —         | —          |
| Rag teasing establishments ... ..   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Rope and twine factories ... ..   | —             | —       | 1              | —      | —       | —      | —      | —          | 3              | —               | —         | —        | 3             | —       | 1          | —         | —          |
| Industrial estab. employing animals, etc.   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Mills for grinding grains and husks, etc...   | —             | —       | 1              | —      | —       | —      | —      | —          | 6              | 5               | 2         | —        | 1             | —       | —          | —         | —          |
| Depots and Establishments for sale of Butter and Butter Substitute ... ..                             | —             | 1       | —              | —      | —       | 6      | 69     | —          | 6              | 4               | —         | —        | —             | —       | —          | 14        | —          |
| Establishments for grinding coffee or other grains worked by animals or mech. motors                  | 4             | 1       | 8              | —      | —       | 1      | 3      | —          | 8              | 3               | 2         | —        | 9             | —       | 3          | 6         | 5          |
| Vegetable and Fruit Markets (Khadra)...   | —             | —       | —              | —      | —       | —      | 6      | —          | —              | —               | —         | —        | —             | —       | —          | —         | 1          |
| CLASS II.—Category B "Saha."  |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| Public stables ... ..   | 36            | 155     | 124            | 46     | 45      | 20     | 10     | 66         | 60             | 75              | 46        | 45       | 58            | 19      | 94         | 4         | 102        |
| Zeribas for animals ... ..  | —             | 8       | 3              | 1      | —       | 3      | —      | —          | 23             | 50              | 23        | 7        | 8             | 2       | —          | —         | —          |
| Cattle sheds, etc. ... ..   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Factories for beverages other than aerated and alcoholic ... ..                                       | —             | —       | 3              | —      | —       | —      | —      | —          | 1              | —               | 1         | —        | —             | —       | —          | —         | 1          |
| Retail fessikh establishments ... ..  | 11            | 8       | 30             | 4      | —       | 4      | —      | 5          | 11             | 15              | 4         | —        | 17            | —       | 4          | 1         | 4          |
| Frying and roasting ests. (meat, fish, etc.)  | 175           | 271     | 386            | 125    | 57      | 208    | 170    | 162        | 206            | 180             | 176       | 147      | 246           | 56      | 62         | 33        | 70         |
| Chicken incubator buildings ... ..  | —             | —       | —              | —      | 1       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| TOTAL CLASS II ...  |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| CLASS III.—Category A "Saha."   |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| Retting of hemp and flax for trade purposes   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Lime and gypsum kilns, temporary... ..  | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | 3       | —          | —         | —          |
| Brick fields, temporary ... ..  | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | 1       | —          | —         | —          |
| Tile works, temporary ... ..  | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | —       | —          | —         | —          |
| Potteries, temporary ... ..   | —             | —       | —              | —      | —       | —      | —      | —          | —              | —               | —         | —        | —             | 1       | —          | —         | —          |
| Clothes ironing establishments ... ..   | 199           | 82      | 72             | 118    | 74      | 183    | 59     | 118        | 127            | 61              | 40        | 40       | 81            | 32      | 34         | 27        | 19         |
| Depots of cement and gypsum... ..   | 30            | 30      | 39             | 20     | 10      | 17     | 6      | 3          | 29             | 7               | 5         | 5        | 1             | 1       | 11         | 2         | 16         |
| Konafa Manufacturing Establishment ...  | —             | —       | —              | —      | —       | —      | —      | —          | —              | 3               | —         | —        | 9             | —       | —          | 5         | —          |
| CLASS III.—Category B "Saha."   |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| Butchers' shops ... ..  | 126           | 86      | 95             | 81     | 45      | 62     | 93     | 48         | 88             | 81              | 59        | 47       | 83            | 65      | 41         | 78        | 32         |
| Fresh fish shops ... ..   | 24            | 1       | 2              | 2      | 3       | 1      | 20     | —          | 2              | 2               | —         | —        | 1             | —       | 4          | 17        | 2          |
| Shops for sale of birds and game ... ..   | 26            | 4       | 4              | 20     | 3       | 9      | 37     | —          | 6              | 4               | 2         | 3        | 7             | 6       | 4          | 20        | 8          |
| Shops for sale of vegetables and fruit ...  | 79            | 40      | 46             | 43     | 29      | 45     | 112    | 12         | 65             | 41              | 13        | 38       | 25            | 12      | 114        | 80        | 45         |
| TOTAL CLASS III ...   |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| TOTAL CLASS II ...  |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| TOTAL CLASS I ...   |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |
| GRAND TOTAL ... ..  |               |         |                |        |         |        |        |            |                |                 |           |          |               |         |            |           |            |

AND III, LICENSED IN EGYPT UP TO DECEMBER 31, 1924 (continued).



### 3.—CEMETERIES AND PRIVATE TOMBS.

The attached tables show :—

1. Work done during 1924 in connection with newly created cemeteries or additions to existing cemeteries.
2. Special authorisations given by the Department during 1924 for burial in private tombs not situated within cemeteries.
3. Cases of encroachments on cemetery land dealt with by legal action.

TABLE VI.— WORK DONE IN CONNECTION WITH CEMETERIES DURING 1924.

| GOVERNORATES<br>AND PROVINCES. | NEW CEMETERIES. |           |                          |                               | OLD CEMETERIES.           |             |                        |                     |                         |                       |
|--------------------------------|-----------------|-----------|--------------------------|-------------------------------|---------------------------|-------------|------------------------|---------------------|-------------------------|-----------------------|
|                                | Established.    | Enlarged. | Roads for<br>Cemeteries. | Cases under<br>Consideration. | Surrounded by<br>Pillars. | Authorized. | Portions<br>Condemned. | Whole<br>Condemned. | DISAFFECTED.            |                       |
|                                |                 |           |                          |                               |                           |             |                        |                     | Already<br>disaffected. | Under<br>disaffection |
| PROVINCES.                     |                 |           |                          |                               |                           |             |                        |                     |                         |                       |
| Gharbîya ... ..                | 3               | 3         | 3                        | 69                            | 11                        | 3           | —                      | 3                   | 3                       | 27                    |
| Beheira ... ..                 | 3               | —         | 1                        | 48                            | 15                        | 2           | —                      | 1                   | 2                       | 8                     |
| Minûfiya ... ..                | —               | 1         | —                        | 37                            | 5                         | 6           | —                      | 4                   | 4                       | 20                    |
| Sharqiya ... ..                | 1               | 1         | —                        | 68                            | 10                        | —           | —                      | 1                   | 1                       | 8                     |
| Daqahliya ... ..               | —               | —         | —                        | 42                            | 3                         | 1           | —                      | —                   | 2                       | 16                    |
| Qalyûbiya ... ..               | 1               | 1         | —                        | 28                            | 4                         | —           | —                      | 1                   | 2                       | 9                     |
| Giza ... ..                    | —               | —         | —                        | 32                            | 3                         | —           | —                      | —                   | 1                       | 6                     |
| Beni Suef ... ..               | —               | 1         | —                        | 21                            | 4                         | 1           | —                      | —                   | —                       | 6                     |
| Faiyûm ... ..                  | 2               | 1         | 2                        | 34                            | 9                         | —           | —                      | —                   | —                       | 5                     |
| Minya ... ..                   | 3               | 1         | 3                        | 39                            | —                         | —           | —                      | 1                   | —                       | 11                    |
| Asyût ... ..                   | —               | 1         | —                        | 27                            | 3                         | —           | —                      | —                   | 1                       | 11                    |
| Girga ... ..                   | 3               | 2         | —                        | 51                            | 13                        | —           | —                      | 6                   | 1                       | —                     |
| Qena ... ..                    | 1               | —         | 1                        | 24                            | —                         | —           | —                      | —                   | 1                       | —                     |
| Aswân ... ..                   | 4               | —         | —                        | 29                            | —                         | —           | —                      | —                   | 1                       | 6                     |
| GOVERNORATES.                  |                 |           |                          |                               |                           |             |                        |                     |                         |                       |
| Cairo ... ..                   | —               | —         | —                        | 18                            | —                         | —           | —                      | —                   | —                       | —                     |
| Damietta ... ..                | —               | —         | —                        | 1                             | —                         | —           | —                      | —                   | —                       | —                     |
| Suez ... ..                    | —               | —         | —                        | 1                             | —                         | —           | —                      | —                   | —                       | —                     |
| Port Said ... ..               | —               | —         | —                        | 7                             | —                         | —           | —                      | —                   | —                       | —                     |
| TOTAL ... ..                   | 21              | 12        | 10                       | 576                           | 80                        | 13          | —                      | 17                  | 19                      | 133                   |

TABLE VII.—THE FOLLOWING TABLE SHOWS THE SPECIAL AUTHORIZATIONS GIVEN BY THE DEPARTMENT OF PUBLIC HEALTH DURING 1924 FOR BURIAL IN PRIVATE TOMBS NOT SITUATED WITHIN CEMETERIES.

| Provinces.       | Number<br>of Authorized<br>Tombs. | Cases<br>Under Con-<br>sideration. |
|------------------|-----------------------------------|------------------------------------|
| Qalyûbiya ... .. | 1                                 | 1                                  |
| Gharbîya... ..   | 2                                 | 5                                  |
| Sharqiya... ..   | 1                                 | 1                                  |
| Beni Suef ... .. | —                                 | 1                                  |
| Girga ... ..     | 1                                 | —                                  |
| Qena ... ..      | 1                                 | —                                  |
| TOTAL ... ..     | 6                                 | 8                                  |

TABLE VIII.—LEGAL ACTIONS BROUGHT BY THE CONTENTIEUX AGAINST ENCROACHERS  
ON CEMETERY LANDS DURING 1924.

| GOVERNORATES AND PROVINCES. | Judgment<br>in<br>Government's<br>Favour. | Judgment<br>against<br>Government. | Encroachment<br>adjusted or not<br>proved. | Cases<br>administratively<br>settled. | Cases under<br>Consideration. |
|-----------------------------|---|------------------------------------|--|---------------------------------------|-------------------------------|
| PROVINCES.                  |   |                                    |  |                                       |                               |
| Qalyûbiya ... ..            | —   | —                                  | 1  | 1                                     | 27                            |
| Gharbîya ... ..             | 1   | —                                  | 2  | 9                                     | 110                           |
| Beheira ... ..              | 4   | —                                  | —  | 6                                     | 124                           |
| Daqahliya ... ..            | 1   | 1                                  | 1  | —                                     | 5                             |
| Sharqîya ... ..             | 1   | —                                  | 2  | 2                                     | 97                            |
| Minûfiya ... ..             | —   | —                                  | 1  | —                                     | 67                            |
| Giza ... ..                 | —   | —                                  | —  | —                                     | 41                            |
| Faiyûm ... ..               | 8   | —                                  | 1  | —                                     | 68                            |
| Beni Suef ... ..            | —   | —                                  | —  | 1                                     | 14                            |
| Minya ... ..                | —   | —                                  | —  | —                                     | 21                            |
| Asyût ... ..                | —   | —                                  | —  | 1                                     | 19                            |
| Girga ... ..                | —   | —                                  | —  | —                                     | 57                            |
| Qena ... ..                 | —   | —                                  | —  | 8                                     | 19                            |
| Aswân ... ..                | —   | —                                  | 1  | 1                                     | 6                             |
| GOVERNORATES.               |   |                                    |  |                                       |                               |
| Cairo ... ..                | —   | —                                  | —  | —                                     | 3                             |
| Damietta .. ...             | —   | —                                  | —  | —                                     | 2                             |
| TOTAL ... ..                | 15  | 1                                  | 9  | 34                                    | 721                           |

#### 4.—BIRKAS.

The number of private birkas inspected during 1924 and found to constitute a danger to public health amounted to 159 covering an area of 168 feddans.

The Law No. 5 of 1914 relating to the filling in or draining of such birkas has consequently been enforced on the owners of these Birkas.

The following table shows the number and area of Government Birkas filled in during 1924 at the request of the Public Health Administration, same having been found to constitute a danger to public health :—

TABLE IX.—LIST OF GOVERNMENT *Birkas* FILLED IN DURING THE YEAR 1924.

| PROVINCES.       | Number of<br><i>Birkas</i><br>filled in. | TOTAL AREA. |         |        |                   |
|------------------|--|-------------|---------|--------|-------------------|
|                  |  | Feddâns.    | Qirâts. | Sahms. | Square<br>Metres. |
| Beheira ... ..   | 1  | —           | 19      | —      | 3325·66           |
| Gharbîya ... ..  | 2  | —           | 12      | 6      | 2144·18           |
| Daqahliya ... .. | 7  | 1           | 19      | —      | 7526·49           |
| Minûfiya ... ..  | 5  | 4           | 6       | 20     | 17,999·37         |
| Sharqîya ... ..  | 5  | 4           | 4       | 15     | 17,612·84         |
| Qalyûbiya ... .. | 1  | —           | 8       | 12     | 1487·8            |
| Giza ... ..      | 30                                       | 1           | 12      | 5      | 6337·72           |
| Beni Suef ... .. | 3  | 1           | 8       | 14     | 5703·21           |
| Minya... ..      | 6  | 1           | 23      | 18     | 8357·90           |
| Asyût ... ..     | 1  | —           | 2       | —      | 350·07            |
| Girga ... ..     | 4  | —           | 19      | 4      | 3354·83           |
| Qena ... ..      | 5  | —           | 22      | 16     | 3967·45           |
| Aswân... ..      | 1  | —           | 6       | —      | 1050·21           |
| TOTAL ... ..     | 71                                       | 18          | 20      | 14     | 79,217·01         |



## 5.—MOSQUES.

### (a) PRIVATE MOSQUES.

The following is a statement of the work which has been carried out in connection with the improvement of the ablution and drainage systems of private mosques throughout the Country :

TABLE X.—PRIVATE MOSQUES DEALT WITH IN 1924.

|  | Cairo. | Provinces. | Total. |
|--|--------|------------|--------|
| Ablution system of private mosques newly constructed and opened for use ... .. | —      | 6          | 6      |
| Ablution system of old private mosques requiring repairs :—                    |        |            |        |
| Number opened for use after repair ... ..                                      | 1      | 108        | 109    |
| ,, closed for want of repair ... ..  | 10     | 693        | 703    |
| ,, under repair... ..  | 63     | 476        | 539    |
| Plans of new private mosques approved during 1924 ... ..                       | —      | 20         | 20     |

A sum of L.E. 2,500 has been granted in 1924–1925 Budget for the sanitation of mosques belonging to the Wakfs Ministry. This sum represents the Government share of the cost of the sanitary installations for these mosques, some of which have already been finished and some are still under execution.

The following is a statement showing the work done in connection with these mosques up to end of 1924 :—

### MINISTRY OF WAKF'S MOSQUES DEALT WITH IN 1924.

|  |    |
|--|----|
| Plans and estimation of sanitary installations approved (work still in progress) ... ..              | 11 |
| Sanitary installations approved in 1923 but work completed and drainage system opened in 1924 ... .. | 5  |

## 6.—PROTECTION OF DRINKING WATER SUPPLIES.

*Arrêtés* were issued and published in the Official Journal for preventing the pollution of drinking water during 1924 at the following localities :—

|                    |            |
|--------------------|------------|
| El Fikrya.         | Minya.     |
| Shebin el Kôm.     | Minûfiya.  |
| Suez.              |            |
| El Marg.           | Qalyûbiya. |
| Cairo.             |            |
| Shebîn el Qanâter. | Qalyûbiya. |
| Tanta.             | Gharbîya.  |

## 7.—SLAUGHTERHOUSES AND SLAUGHTERING SITES.

Sites for slaughterhouses at the following villages were approved during 1924 :—

|                  |            |
|------------------|------------|
| Shubra el Balad. | Qalyûbiya. |
| Delta Barrage.   | „          |
| Bagûr.           | Minûfiya.  |
| Embaba.          | Gîza.      |
| Atfeeh.          | „          |
| Hawamdîa.        | „          |
| Saft Abu Girg.   | Minya.     |

Sites for the slaughtering of animals for food in villages where no slaughterhouses exist were approved in the following villages :—

|                  |            |
|------------------|------------|
| Aghour el Kobra. | Qalyûbîya. |
| Qotûr.           | Gharbîya.  |
| Dalgamûn.        | "          |
| Tanbodi          | Minûfiya.  |
| Tema el Ameda.   | Minya.     |
| Om el Kossour.   | Asyût.     |

## 8.—SEWAGE DEPOTOIRS.

No new sites or sewage Depotoirs were approved in 1924 but questions of new sites for Damietta, Sherbin, Kafr el-Sheikh, Zefta, Helwan and Luxor are still under consideration.

## 9.—PROSTITUTION.

The following tables indicate the places to which the Regulations regarding "*Maison de tolérance*" were applied and also certain information regarding the prostitutes examined during 1924 :—

TABLE XI.—SHOWING EXAMINATION OF PROSTITUTES IN MARKAZES DURING THE YEAR 1924.

| PLACE.              |     |           |     |     |     |     |     | Number<br>of<br>Prostitutes. | Number<br>of<br>Examinations. | DISEASES  |           |                    |
|---------------------|-----|-----------|-----|-----|-----|-----|-----|------------------------------|-------------------------------|-----------|-----------|--------------------|
|                     |     |           |     |     |     |     |     |                              |                               | Syphilis. | Gonorrhœ. | Other<br>Diseases. |
| GOVERNORATES.       |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Cairo ...           | {   | Egyptians | ... | ... | ... | ... | ... | 843                          | 25,807                        | 51        | 1,374     | 127                |
|                     |     | Europeans | ... | ... | ... | ... | ... | 287                          | 12,575                        | 21        | 390       | 24                 |
| Alexandria...       | ... | ...       | ... | ... | ... | ... | ... | 1,463                        | 41,574                        | 30        | 538       | 297                |
| Port Said           | ... | ...       | ... | ... | ... | ... | ... | 349                          | 12,873                        | 11        | 115       | 18                 |
| Ismailia            | ... | ...       | ... | ... | ... | ... | ... | 145                          | 6,330                         | 1         | 57        | 1                  |
| Suez                | ... | ...       | ... | ... | ... | ... | ... | 173                          | 5,080                         | 7         | 197       | 12                 |
| Damietta            | ... | ...       | ... | ... | ... | ... | ... | 4                            | 134                           | —         | 6         | —                  |
| PROVINCES.          |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| <i>Beheira</i> :—   |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Damanhûr            | ... | ...       | ... | ... | ... | ... | ... | 159                          | 8,268                         | 11        | 110       | 5                  |
| Shubrakhît          | ... | ...       | ... | ... | ... | ... | ... | 18                           | 408                           | 1         | 1         | —                  |
| <i>Gharbîya</i> :—  |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Tanta               | ... | ...       | ... | ... | ... | ... | ... | 205                          | 4,829                         | 8         | 89        | 14                 |
| Disûq               | ... | ...       | ... | ... | ... | ... | ... | 40                           | 727                           | 2         | 9         | —                  |
| Kafr el Zaiyât      | ... | ...       | ... | ... | ... | ... | ... | 29                           | 357                           | —         | 6         | 1                  |
| Mehalla el Kubra... | ... | ...       | ... | ... | ... | ... | ... | 84                           | 2,035                         | 12        | 10        | —                  |
| Kafr el Sheikh      | ... | ...       | ... | ... | ... | ... | ... | 27                           | 2,054                         | —         | 11        | 2                  |
| <i>Minûfiya</i> :—  |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Shebîn el Kôm       | ... | ...       | ... | ... | ... | ... | ... | 14                           | 280                           | 5         | 17        | 1                  |
| Minûf               | ... | ...       | ... | ... | ... | ... | ... | 17                           | 251                           | 9         | —         | —                  |
| <i>Sharqîya</i> :—  |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Zagazîg             | ... | ...       | ... | ... | ... | ... | ... | 105                          | 2,822                         | 14        | 89        | —                  |
| Bilbeis             | ... | ...       | ... | ... | ... | ... | ... | 23                           | 43                            | 3         | 11        | 1                  |
| Faqûs               | ... | ...       | ... | ... | ... | ... | ... | 15                           | 751                           | 3         | 3         | —                  |
| Ibrahîmiya          | ... | ...       | ... | ... | ... | ... | ... | 16                           | 432                           | —         | —         | —                  |
| <i>Daqahlîya</i> :— |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Mansûra...          | ... | ...       | ... | ... | ... | ... | ... | 154                          | 2,932                         | 43        | 161       | —                  |
| Mit Ghamr           | ... | ...       | ... | ... | ... | ... | ... | 75                           | 1,443                         | 1         | 11        | —                  |
| Simbillâwein        | ... | ...       | ... | ... | ... | ... | ... | 39                           | 311                           | —         | 4         | —                  |
| <i>Qalyûbîya</i> :— |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Benha               | ... | ...       | ... | ... | ... | ... | ... | 31                           | 620                           | 7         | 45        | 3                  |
| <i>Gîza</i> :—      |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Gîza                | ... | ...       | ... | ... | ... | ... | ... | 19                           | 585                           | 21        | 28        | —                  |
| Imbâba              | ... | ...       | ... | ... | ... | ... | ... | 24                           | 745                           | 5         | 2         | 1                  |
| <i>Beni Suef</i> :— |     |           |     |     |     |     |     |                              |                               |           |           |                    |
| Beni Suef           | ... | ...       | ... | ... | ... | ... | ... | 71                           | 2,160                         | 4         | 82        | 5                  |



TABLE XI.—SHOWING EXAMINATION OF PROSTITUTES IN MARKAZES DURING THE YEAR 1924 (*contd.*).

| PLACE.                          | Number<br>of<br>Prostitutes. | Number<br>of<br>Examinations. | DISEASES. |           |                    |  |  |  |
|---------------------------------|------------------------------|-------------------------------|-----------|-----------|--------------------|--|--|--|
|                                 |                              |                               | Syphilis. | Gonorrhæ. | Other<br>Diseases. |  |  |  |
| PROVINCES ( <i>contd.</i> ).    |                              |                               |           |           |                    |  |  |  |
| <i>Faiyûm</i> :—                |                              |                               |           |           |                    |  |  |  |
| Faiyûm ... ..                   | 54                           | 1,789                         | 4         | 27        | 3                  |  |  |  |
| <i>Minya</i> :—                 |                              |                               |           |           |                    |  |  |  |
| Minya ... ..                    | 87                           | 4,000                         | 35        | 166       | 1                  |  |  |  |
| Beni Mazâr ... ..               | 23                           | 1,029                         | 2         | 2         | —                  |  |  |  |
| <i>Asyût</i> :—                 |                              |                               |           |           |                    |  |  |  |
| Asyût ... ..                    | 139                          | 3,728                         | 28        | 219       | 8                  |  |  |  |
| Manfalût ... ..                 | 34                           | 928                           | 2         | 10        | —                  |  |  |  |
| Mellawi ... ..                  | 28                           | 1,325                         | —         | 5         | —                  |  |  |  |
| Rôda ... ..                     | 29                           | 39                            | 2         | 8         | —                  |  |  |  |
| Abu Tig ... ..                  | 77                           | 1,316                         | 2         | 11        | —                  |  |  |  |
| <i>Girga</i> :—                 |                              |                               |           |           |                    |  |  |  |
| Souhâg ... ..                   | 108                          | 1,860                         | 8         | 35        | —                  |  |  |  |
| Tahta ... ..                    | 23                           | 444                           | —         | 2         | 5                  |  |  |  |
| Akhmîm... ..                    | 13                           | 436                           | 3         | 13        | 1                  |  |  |  |
| Girga ... ..                    | 47                           | 888                           | 2         | 11        | —                  |  |  |  |
| Balyâna ... ..                  | 49                           | 818                           | 44        | 17        | —                  |  |  |  |
| <i>Qena</i> :—                  |                              |                               |           |           |                    |  |  |  |
| Qena ... ..                     | 57                           | 1,625                         | 9         | 52        | 1                  |  |  |  |
| Isna... ..                      | 71                           | 1,599                         | 7         | 52        | 4                  |  |  |  |
| Nag <sup>c</sup> Hammâdi ... .. | 34                           | 1,158                         | —         | 9         | —                  |  |  |  |
| Farshût ... ..                  | 17                           | 524                           | —         | 2         | —                  |  |  |  |
| Deshna ... ..                   | 11                           | 497                           | —         | 9         | —                  |  |  |  |
| Luxor ... ..                    | 57                           | 1,335                         | 1         | 36        | 1                  |  |  |  |
| Qûs ... ..                      | 29                           | 368                           | 1         | 17        | 1                  |  |  |  |
| <i>Aswân</i> :—                 |                              |                               |           |           |                    |  |  |  |
| Aswân ... ..                    | 13                           | 53                            | 1         | 18        | 1                  |  |  |  |
| TOTAL... ..                     |                              |                               |           |           |                    |  |  |  |
|                                 | 5,429                        | 162,185                       | 421       | 4,088     | 539                |  |  |  |

TABLE XII.—NUMBER OF PROSTITUTES TREATED IN GOVERNMENT HOSPITALS DURING 1924.

| HOSPITALS.                          | Number<br>of<br>Prostitutes. | DISEASES. |           |                    |
|-------------------------------------|------------------------------|-----------|-----------|--------------------|
|                                     |                              | Syphilis. | Gonorrhæ. | Other<br>Diseases. |
| Cairo ... .. { Lock Hospital ... .. | 268                          | 21        | 390       | 24                 |
| ... .. { El Hod el Marsoud ... ..   | 2,589                        | 679       | 1,910     | —                  |
| Alexandria... { Europeans ... ..    | 412                          | 41        | 236       | 135                |
| ... .. { Egyptians ... ..           | 723                          | 172       | 401       | 150                |
| Port Said ... ..                    | 211                          | 34        | 130       | 47                 |
| Damietta ... ..                     | 6                            | 3         | 2         | 1                  |
| Suez ... ..                         | 275                          | 8         | 254       | 13                 |
| Mansûra... ..                       | 204                          | 43        | 161       | —                  |
| Zagazig ... ..                      | 103                          | 14        | 89        | —                  |
| Benha ... ..                        | 55                           | 7         | 45        | 3                  |
| Tanta ... ..                        | 239                          | 57        | 169       | 13                 |
| Shibîn el Kôm ... ..                | 23                           | 5         | 17        | 1                  |
| Damanhûr ... ..                     | 126                          | 11        | 110       | 5                  |
| Beni Suef ... ..                    | 91                           | 4         | 82        | 5                  |
| Faiyûm ... ..                       | 34                           | 4         | 27        | 3                  |
| Minya ... ..                        | 202                          | 35        | 166       | 1                  |
| Asyût ... ..                        | 255                          | 28        | 219       | 8                  |
| Souhâg ... ..                       | 161                          | 24        | 137       | —                  |
| Qena ... ..                         | 159                          | 12        | 141       | 6                  |
| Isna... ..                          | 63                           | 7         | 52        | 4                  |
| Aswân ... ..                        | 13                           | 1         | 18        | 1                  |
| TOTAL ... ..                        | 6,212                        | 1,210     | 4,756     | 420                |

## SANITARY INSPECTION SECTION.

### CREATION OF THE SECTION.

The Department having noticed that the sanitary work—specially in Provinces—required more effective control and supervision by an organized authority, created this Section to supervise the work and ensure the efficient execution of the sanitary duties on systematic lines.

In order to give effect to this scheme, the Country was divided into four sections, each of which was entrusted to a senior inspector of the technical staff, with a wide experience in health work.

The section was created on June 1, 1924, and put in charge of the Inspector-General; and, at the same time, an Inspector was appointed for each of the following divisions:

1st Division.—Under the Senior of the four Inspectors. It comprises Gharbîya, Minûfiya, Beheira Provinces and Damietta Governorate; Headquarters at Tanta.

2nd Division.—Circumscription: Gîza, Qalûbîya, Sharqîya and Daqahlîya Provinces and Canal Governorate; Headquarters at Zagazig.

3rd Division.—Circumscription: Asyût, Minya, Beni Suef and Faiyûm Provinces; Headquarters at Minya.

4th Division.—Circumscription: Girga, Qena and Aswân Provinces; Headquarters at Qena.

It is evident that this valuable scheme has produced the best results as it includes the inspection of all sanitary, administrative and clerical work of the Public Health Inspectorates and their branches within the circumscription of each division.

As regards the four Divisional Inspectors, they have discharged their duties quite satisfactorily since the creation of this section, having carried out regular periodical inspections of all the branches within their circumscription.

The Department has been able, with the assistance of these inspectors, to be well acquainted with the behaviour and work of its officials and employees in the Provinces, and also to induce them to be diligent in carrying out their duties, with the result that the work of the branches is steadily improving. Every member of the Provincial Staff has become alert in his duties and in avoiding any negligence. The policy of the Department also is to entertain every complaint and carefully investigate it, with a view to the punishment of any person guilty of neglect of duty, this has led to beneficial results as regards the work.

The following is a description of the work performed by this Section since it was formed.

### EPIDEMIC AND INFECTIOUS DISEASES.

The Divisional Inspectors having noticed the spread of plague, typhus and relapsing fevers and other infectious diseases in different localities of the country, displayed great activity in making as many tours of inspection as possible and in organising the cordons and epidemic stores. They took effective measures to combat these severe epidemics and infectious diseases, and gave their advice and guidance as to the various methods to be adopted in this connection. Some of the Divisional Inspectors communicated with the Mudirs with the object of inducing the inhabitants to establish fever hospitals in the important bandars and towns. They have also controlled the vaccination work against plague and small-pox.

The Divisional Inspectors also supervised the work of observation of pilgrims and their contacts and of passengers arriving in Egyptian Ports to ensure the satisfactory performance of these duties so that it was possible to save the Country from epidemics. They also took an interest in the issue to the poor of free medicine from the Government Dispensaries attached to Public Health Offices, as well as giving first aid to injured persons of this class of people.



In this connection, it would be useful to endeavour to make the Provincial Councils allot certain funds in their budgets for supplying the necessary drugs and appliances to the first aid chests, which the Department has supplied to the first aid barbers.

The Divisional Inspectors have issued important instructions to Medical Officers to make constant tours of inspection in their Markazes so that they may be well aware of the sanitary conditions and take immediate precautions when necessary. To facilitate this, an attendant has to be appointed to each Medical Officer ; the latter should be encouraged to keep a motor car or a motor cycle, or he should be supplied with a book of Railway Transport Warrants. Every Markaz Medical Officer should also be provided with petty cash not less than L.E. 1 and not exceeding L.E. 3 according to the importance of the Markaz whether there are infectious diseases or not.

#### BIRTHS AND DEATHS.

Inspection has been made of this branch of work to ensure the carrying out of Departmental Orders and Regulations issued in connection therewith. Instructions were given as regards advising mothers to take care of their children, and the inhabitants have been induced to establish Dispensaries for the Children. The Medical Officers have been shown how to discover the increase or decrease in the death rate and also how to trace relationship between persons recently deceased, so that villages in which there appears an increase of mortality or those suspected of being infected, can be put under observation. Cultures and blood specimens are taken from suspected cases for examination in order to establish a diagnosis, so as to indicate the appropriate precautionary measures for combating the diseases and preventing their spread. The Medical Officers have been also instructed to inspect villages in which the number of deaths notified is below normal in order to discover if secret burial is taking place and to put an end to it if discovered.

The Medical Officers were also given instructions to be careful in controlling the registration work in births and deaths Books, they are very important documents and have to be referred to in criminal and civil cases etc.

It is hoped that factors of increase of mortality, in certain villages, will be decreased.

#### VACCINATION.

The Inspectors have carefully controlled the primary vaccination of children and the prosecution of persons who did not bring their children within the statutory period for vaccination against small pox.

It has been noticed that a great number of sanitary and first aid barbers do not vaccinate children yet have the names recorded by the aid of Sarrafs in the registers as having been successfully vaccinated. The necessary instructions have been given to control this work by periodically verifying the vaccinations *i.e.* by checking the entries in the registers against an examination of the children, to ascertain whether the records are in accordance with the facts. The inspectors have also prevented vaccination being performed by barbers in bandar towns and seen that the vaccination by barbers in villages is supervised by Medical Officers as far as possible.

In this connection, the Department is of opinion that Sanitary and First Aid Barbers should be paid and that it is preferable to select persons in possession of the Primary Education Certificate in order that they may be trustworthy and reliable persons. The Government will by this means save a lot of lives which are now lost as a result of negligence and concealment of infectious diseases cases at the beginning of an outbreak.

Necessary arrangements have been made to keep the vaccination articles such as lancets in a serviceable condition.

#### UNHEALTHY ESTABLISHMENTS.

Instructions have been given for the inspection of all Unhealthy, Inconvenient and Dangerous Establishments in most Markazes which was done in some and about to be done in the rest by the efforts of the Divisional Inspectors, who insist upon the instructions and orders of the Department being carried out. They call upon Medical Officers to continue paying visits to these places, to prepare Ministerial *arrêtés* when necessary and to draw up *procès-verbaux* of contravention against those who fail to fulfil the sanitary conditions



required ; after being repeatedly warned to do so. If these conditions are not complied with, the establishment may be closed.

#### GENERAL SANITATION.

*Mosques.*—The Divisional Inspectors induced the Medical Officers of Markazes and Out-posts to pay visits to the Mosques and advise those in charge of these mosques as to the repairs required to their sanitary and ablutionary systems and see that such repairs are made.

*Birkas, Cemeteries, Abattoirs, etc.*—The Inspectors have taken much interest in connection with filling in, or draining of birkas, or stocking them with fish for the destruction of mosquito larvae, as well as filling in of marshy land. In connection with the campaign against malaria, certain drains were widened and cleared. Attention was also drawn to the selection of cemetery sites, slaughtering sites, abattoirs, the disposal of sewage in places removed from habitations and inducing the public to establish public latrines and urinals. The public were also advised not to throw their refuse, or bathe or wash their clothes in the Nile

*Drinking Water.*—The Inspectors have also, during the period of irrigation rotations, taken great care in examining the drinking water, at times when only a very small quantity of water exists in main or branch canals, and therefore liable to contamination by the people and cattle passing through them, rendering the water unfit for drinking purposes owing to the presence of germs which cause the spread of various diseases such as dysentery, mucous diarrhoea, typhoid and paratyphoid, with the resultant danger of an increased death rate especially among children.

Inhabitants very often drink from water in irrigation drains which is very dangerous. It was thought advisable therefore to use tanks for storing water in such places during the time of irrigation rotations in villages where the use of water obtained from Abyssinian pumps is not recommended either owing to its unpalatable taste or because it contains salts or other substances which are injurious to health. In this connection it may be mentioned that a Committee has been formed to deal with questions concerning the drinking water of the Country, from all points of view, and it is hoped that it will begin work shortly.

Divisional inspectors should be appointed as members of the Provincial Councils, their collaboration being important for the carrying out of sanitary projects.

*Examination of Milk Samples.*—The Inspectors took great interest in the examination of milk. They controlled the work of taking and analysing milk samples according to instructions laid down for the purpose.

*Summer Resorts.*—The Department paid attention to Abukir and Ras-el-Bar Summer resorts. Some of the Divisional Inspectors were detailed to inspect the sanitary condition of these two resorts and they have submitted reports embodying important suggestions for the improvement of their condition.

*Anti-Scorpion Serum.*—It was found necessary to arrange that Anti-Scorpion Serum should be easily obtained by the public, so that first aid may be given with the least possible delay. It would be better if this serum were handed over to the sanitary and first-aid barbers in the various towns. Arrangements are being made for carrying this out.

*Medico-Legal Cases.*—The Department devoted considerable attention to medico-legal cases treated by its Medical Officers. In dealing with this question the Department had in view the benefit and safety of the patients themselves. To avoid the bad results which might occur from leaving the patients in their distant villages when they refuse to go to hospitals, preferring to be treated by the Medical Officers, thus affecting the reputation of such Medical Officers, it was decided that injured persons should remain near the residence of the Medical Officers during their treatment which should be carried out very carefully. Strict instructions were given for taking the greatest care in controlling the carrying out of this arrangement.

The Divisional Inspectors have examined some of the injured persons from time to time with the result that most of the cases treated were cured with no permanent disabilities resulting therefrom. Several reports have been received showing the good results obtained.

The total number of persons injured in criminal cases in Egypt during the year was 76,274 as shown in table No. 2.



TABLE I.—DETAILED LIST OF THE COMPLAINTS AND REPORTS SUBMITTED TO THE SECTION DURING 1924.

| Months.    | Complaints<br>against or<br>Reports on. | Filed.           |                    |                      | Giving notice.   |                    |                      | Drawing<br>attention. |                    |                      | Supervision<br>of work. |                    |                      | Warning.         |                    |                      | Reprimand.       |                    |                      | Avertissement.   |                    |                      | Fine.            |                    |                      | Transfer.        |                    |                      | Disciplinary<br>Trial. |                    |                      | Discharge.       |                    |                      | Under consi-<br>deration.  |   |  | REMARKS. |
|------------|---|------------------|--------------------|----------------------|------------------|--------------------|----------------------|-----------------------|--------------------|----------------------|-------------------------|--------------------|----------------------|------------------|--------------------|----------------------|------------------|--------------------|----------------------|------------------|--------------------|----------------------|------------------|--------------------|----------------------|------------------|--------------------|----------------------|------------------------|--------------------|----------------------|------------------|--------------------|----------------------|--|---|--|----------|
|            |   | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints.      | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints.        | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints.       | Secret<br>Reports. | Ordinary<br>Reports. | Comp-<br>laints. | Secret<br>Reports. | Ordinary<br>Reports. |  |   |  |          |
| July.      | P.H. Inspectors ...                     | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    | * Both the<br>complaint &<br>the secret re-<br>port are agai-<br>nst a single<br>person who<br>was referred<br>to Parquet. |   |  |          |
|            | Markaz M. Os. ...                       | 6                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | 3                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Dispensary ...                          | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Tamurgies ...                           | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
| August.    | Sais & Shaweeshes.                      | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    | * One of<br>the two bar-<br>bers was sus-<br>pended one<br>month from<br>duty.   |   |  |          |
|            | P.H. Inspectors ...                     | 8                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Markaz M. Os. ...                       | 5                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Tamurgies ...                           | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
| September. | Sais & Shaweeshes.                      | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Barbers ...                             | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | P.H. Inspectors ...                     | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Markaz M. Os. ...                       | 8                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
| October.   | Barbers ...                             | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | P.H. Inspectors ...                     | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Markaz M. Os. ...                       | 9                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Overseers (Etab. }<br>Insalubres) ... } | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  | — |  |          |
| November.  | Barbers .. ...                          | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | P.H. Inspectors ...                     | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Markaz M. Os. ...                       | 6                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | 4                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Overseers (Etab. }<br>Insalubres) ... } | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  | — |  |          |
| December.  | Sais & Shawishes ...                    | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Farrashes ...                           | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Barbers ...                             | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Markaz M. Os. ...                       | 2                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Clerks ...                              | 1                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
| TOTAL ...  | Sais & Shawishes ...                    | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            | Store Keepers ...                       | —                | —                  | —                    | —                | —                  | —                    | —                     | —                  | —                    | —                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    |  |   |  |          |
|            |   | 61               | —                  | 4                    | 10               | —                  | 4                    | 16                    | 1                  | 5                    | 2                       | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                | —                  | —                    | —                      | —                  | —                    | —                | —                  | —                    | 5  |   |  |          |

TABLE II.—MEDICO-LEGAL EXAMINATIONS AND REPORTS, YEAR 1924.

| LOCALITY.              | SLIGHT. |        | SERIOUS. |       | FATAL. |       | TOTAL. |        |
|------------------------|---------|--------|----------|-------|--------|-------|--------|--------|
|                        | Accid.  | Crim.  | Accid.   | Crim. | Accid. | Crim. | Accid. | Crim.  |
| <i>Governorates :—</i> |         |        |          |       |        |       |        |        |
| Cairo ... ..           | 434     | 12,784 | 51       | 248   | 142    | 26    | 627    | 13,058 |
| Alexandria ... ..      | 294     | 5,889  | 63       | 68    | 66     | 63    | 423    | 6,020  |
| Canal ... ..           | 151     | 1,383  | 40       | 34    | 52     | 15    | 243    | 1,432  |
| Suez ... ..            | 31      | 372    | 5        | 11    | 17     | 5     | 53     | 388    |
| Damietta ... ..        | 20      | 430    | 12       | 8     | 14     | 11    | 46     | 449    |
| <i>Lower Egypt :—</i>  |         |        |          |       |        |       |        |        |
| Dakahlia... ..         | 363     | 2,152  | 252      | 149   | 230    | 79    | 845    | 2,380  |
| Sharkia ... ..         | 490     | 2,814  | 215      | 338   | 340    | 83    | 1,045  | 3,235  |
| Qalioubia ... ..       | 251     | 1,439  | 129      | 164   | 148    | 52    | 528    | 1,655  |
| Gharbia ... ..         | 898     | 4,576  | 420      | 630   | 601    | 184   | 1,919  | 5,390  |
| Menoufia ... ..        | 433     | 3,657  | 222      | 270   | 316    | 153   | 971    | 4,080  |
| Beheira ... ..         | 331     | 2,890  | 253      | 482   | 338    | 104   | 922    | 3,476  |
| <i>Upper Egypt :—</i>  |         |        |          |       |        |       |        |        |
| Giza... ..             | 212     | 1,921  | 128      | 255   | 184    | 39    | 524    | 2,215  |
| Beni-Suef ... ..       | 252     | 1,636  | 104      | 151   | 153    | 56    | 509    | 1,843  |
| Fayoum ... ..          | 175     | 1,489  | 128      | 210   | 96     | 85    | 399    | 1,784  |
| Minia ... ..           | 300     | 2,728  | 234      | 265   | 217    | 160   | 751    | 3,153  |
| Asyût ... ..           | 658     | 3,573  | 311      | 526   | 363    | 238   | 1,332  | 4,337  |
| Guirga ... ..          | 337     | 2,471  | 135      | 223   | 333    | 108   | 805    | 2,802  |
| Kena ... ..            | 229     | 1,743  | 126      | 436   | 275    | 45    | 630    | 2,224  |
| Asswan ... ..          | 143     | 432    | 52       | 36    | 109    | 9     | 304    | 477    |
| TOTAL ... ..           | 6,002   | 54,379 | 2,880    | 4,540 | 3,994  | 1,515 | 12,876 | 63,398 |
|                        |         |        |          |       |        |       | 76,274 |        |





## HOSPITALS SECTION.

### 1.—GENERAL.

In Egypt there are 37 Government hospitals : General, Infectious, Venereal and Anthelmintic.

They are divided as follows :—

(a) 22 General Hospitals in : Cairo, Alexandria, Suez, Port-Said, Damietta, Damanhûr, Tanta, Shibîn el Kôm, Mansûra, Zagazig, Benha, Kalyûb, Faîyûm, Beni Suef, Minya, Asyût, Suhâg, Tahta, Qena, Luxor, Isna and Aswân.

(b) 8 Infectious Diseases Hospitals of which 3 are administratively separated from the General Hospitals, *viz.* Abbasiya, Tanta and Port-Said Fever Hospitals, the other 5 being administratively attached to the General Hospitals of the following towns : Alexandria, Suez, Zagazig, Minya, and Qena.

(c) 2 Hospitals for Venereal Diseases : one in Cairo (Hod el Marsûd) and the other in Alexandria at Gabbary.

(d) 5 Anthelmintic, one at each of the following towns : Damanhûr, Tanta, Mansûra, Benha and Qalyûb.

The administration of Hod el Marsûd Lock Hospital has been separated from that of Kasr el Aini Hospital.

During the year 1924, the following hospitals have been established :—

(a) A General Hospital at Tahta :—

The erection and initial equipment of this hospital have been provided for by the local population as a memorial to the visit of His Majesty The King to Tahta in 1921.

Several feddans of land giving an estimated yearly income of L.E. 420 have been provided as an endowment. The hospital was inaugurated in 1924. The Ministry of Finance has allocated the necessary funds required for its administration and has approved the insertion of the income from the endowed land to the Department's General Budget.

(b) Infectious Diseases Hospital at Qena.

(c) Anthelmintic Hospital at Damanhûr.

In addition to these, the following two hospitals will shortly be completed :—

(a) Infectious Diseases Hospital at Mansûra. The erection of this hospital is in hand and it will be opened as soon as it is completed.

(b) The land necessary for the erection of an infectious diseases hospital at Asyût has been purchased and the building will shortly begin.

On the occasion of the visit of His Majesty The King to Maghagha in 1921, H.E. Saleh Lamoum el Saady Pasha decided to erect and initially equip a general Hospital at Bandar Maghagha as a memorial to this visit. He and his late father have provided an endowment of 202 feddans of land, the net annual income of which is estimated at L.E. 800.

The donor completed the erection and the initial equipment of this hospital during the year 1924, and requested the Department to appoint the necessary Staff for the administration of the hospital as a first step to its final handing over to the Department of Public Health.

Consequently the Hospital Staff were appointed for the remaining period of 1924 at the expense of the donors, and the Department requested the Ministry of Finance to agree to the funds required for this hospital's administration being added to the Department's Budget against the receipt of the annual income of the endowment.

Owing to the fact that the number of the existing hospitals in Egypt is not sufficient to meet the requirements of the inhabitants, and to the fact that some of the provincial councils and notables are disposed to erect hospitals and children's dispensaries for the treatment of



the poor, the Department has, on the approval of the Ministry of Finance, issued a circular to all Provincial Councils expressing its willingness to assist, encourage and furnish them with all the directions for the erection and initial equipment.

The Department has also requested the Ministry of Finance to approve the addition to its Budget of the cost of the hospitals' administration after completion of the buildings and initial equipment at the Provincial Council's expense.

The Department has laid down permanent and detailed plans for general hospitals containing two sections, *viz.* one for ophthalmic diseases and another for parasitic diseases. Some of these plans have been made for hospitals of 24 beds, and others of 16 beds.

The Department has also made other plans for village hospitals. Such plans are accompanied by an estimate of the cost of establishment, equipment, administration, and also show the cubic measurements of the building. Such plans are sent on demand to Provincial Councils and notables interested in the erection of hospitals.

The erection of the following hospitals has already been begun :—

(1) *Bereem Hospital (Kom Hamada District).*—Mostafa el Shourbagy Bey has given a house containing 18 rooms and a garden of about one feddan in area for the purpose of establishing a hospital at Bereem, Kom Hamada District, Behera Province. The Provincial Council undertook to make the necessary modifications and equipment at its own expense under the guidance of the Department to which the hospital will be handed over after completion.

The Ministry of Finance has, therefore, been requested to provide the funds required for this hospital's administration in the Department of Public Health Budget for the next year.

(2) *Mallawi Hospital.*—Asyût Provincial Council requested the Department to take over for the purpose of administration a hospital at Mallawi, Markaz Mallawi, Asyût Province.

The Department asked the Council to make some necessary modifications in the hospital and to get it equipped so that the Department may take it over after completion. The Ministry of Finance was then approached with a view to providing the funds necessary for its administration in the next year's Budget.

(3) *Faccous Hospital.*—Yussef Nahhas Bey has given a piece of land of about 6,000 metres in area and L.E. 1,000 for the purpose of erecting a hospital. The plans have been forwarded to Sharqîya Muîdriya together with the necessary estimates of cost of building and equipment. The Mudîriya has been requested to collect money by subscription in order that the project may be realized.

(4) *Samalout Hospital.*—The inhabitants have given a piece of land of about one feddan in area for the erection of a hospital. The money collected for the hospital amounted to L.E. 4,663·781 mills., and the Department is now communicating with the Provincial Council for the collection of the remainder of the sum necessary for the erection and equipment of the said hospital as early as possible, so that the Department may take it over for administration after completion.

(5) *Abu Qerqas Hospital.*—L.E. 8,598 have been collected from the inhabitants for the establishment of this hospital, but as the proposal is to erect a hospital of 24 beds, the sum is insufficient and correspondence has therefore been exchanged between this Department and the Provincial Council with a view to quickly collecting the remainder of the sum required for the erection and initial equipment of the building so that after its completion it may be handed over to the Department for administration.

(6) *Hospital for Women's Diseases at Abbasîya.*—The Wakf of Sayida Fatma Hanem el Minshawia has decided to establish this Hospital. Its erection, however, depends upon taking over the piece of land which the Wakf has asked the State Domains Department to offer.

(7) *Mit Ghamr Hospital.*—Daqahliya Provincial Council has collected L.E. 6,000 for the establishment and equipment of this hospital to hold 24 beds. Communications are now being exchanged between the Department and the Provincial Council on this subject.



(8) *Village Hospital at Zawiyet el Naourah, Shebîn el Kôm District, Menûfiya Province.*—The Menûfiya Provincial Council has begun to establish and equip this hospital and collected for this purpose L.E. 4,042. The collection of the remainder of the amount required has been asked for.

(9) *Village Hospital at Fashn.*—Minya Provincial Council has begun to open this hospital at its own expense and requested the appointment of the Staff necessary for its administration, and the Department is taking the necessary steps for this purpose.

(10) *Prince Farouk's Hospital, Girga Bandar.*—Girga Provincial Council has begun to establish this hospital to hold 16 beds and to collect the necessary subscriptions for the project. The sum collected amounts to L.E. 6,575.

(11) *Travelling Hospital for Parasitic Diseases at Sharqîya Province.*—The Provincial Council of Sharqîya has begun to establish, equip and administer this Hospital.

(12) *Travelling Hospital for Parasitic Diseases at Nag' Hamady.*—Quena Provincial Council has begun to establish, equip and administer this Hospital.

It is clear from the above that the inhabitants have felt the needs of the country as regards the establishment of hospitals for treating the poor and others; this being due to the activities of the Government of His Majesty The King in this connection and to the special interest which His Majesty takes in the welfare of the country.

The Department has, after careful examination, seen that the number of the General Hospitals is insufficient to meet the needs of the inhabitants as regards their treatment from ordinary diseases, and moreover some diseases have no special sections in the General Hospitals. Some of these diseases, however, cannot be attached to the General Hospitals but must be established separately in order to avoid infection of patients suffering from ordinary diseases.

Special hospitals such as Fever Hospitals for some of these abnormal diseases have been erected in certain localities; other diseases such as "Leprosy" have no hospitals at all. Moreover, there are some parasitic diseases scourging the poor class of people, *viz.*, the Ankylostoma and Bilharzia, for which treatment centres have been established in certain localities while there are no such places in most of the other towns. There are also many patients suffering from ordinary diseases, who cannot afford to travel to hospitals, owing to their being situated at far distances from their residence.

As the present state of affairs necessitates the erection of hospitals and clinics throughout the country which requires a lot of expenses that cannot be afforded simultaneously, the Department has decided to erect these hospitals gradually until they are generalized. It has, therefore, inserted in the Budget, proposals to establish the following hospitals:—

(1) Hospital of 50 beds to be erected in Cairo for midwifery and diseases of women and children.

(2) Five Hospitals for parasitic diseases (Ankylostoma and Bilharzia) to be established in Beni Suef, Faiyûm, Asyût, Qena and Sharqîya Mudîrîyas in addition to the existing hospitals in these Provinces.

(3) Three Venereal clinics at Cairo, Alexandria and Port Said.

(4) Hospital for Leprosy with 500 beds in the vicinity of Cairo.

(5) Two Hospitals for infectious diseases, one at Shebîn el Kôm and the other at Damanhûr.

(6) Fifteen Out-patients' clinics in various localities in the Mudîrîyas.

Besides this, proposals remodifications in existing hospitals and rebuilding of hospitals which have become unfit for use, have been asked for.

As part of the programme for the improvement of the condition of hospitals, it may be mentioned here, that the Department has arranged to build a new hospital on modern lines to replace the existing hospital at Damietta which is very old. The building is now progressing and the Department will shortly take it over.



### TREATMENT IN HOSPITALS.

Methods of treatment in hospitals are constantly progressing in accordance with scientific progress. The Department is doing its best to procure the latest apparatus and instruments for use in the examination, diagnosis and treatment of diseases in order to obtain the best results in this connection.

The Department has also asked for a special credit for the equipment of the X-Rays Sections at Cairo and Alexandria Hospitals with the most recent appliances for treatment purposes.

Most of the hospitals are provided with X-Ray apparatus and the Department is taking the necessary steps to equip the remaining few hospitals with such apparatus.

### NURSING IN HOSPITALS.

The Department has carefully examined the question of nursing in the general hospitals with a view to raising it to the higher standard of nursing which exists in advanced countries. The necessary credit has been applied for in order to get a special class of male and female attendants trained.

The number of beds in 1924 has reached 4,381, an increase of 121 beds. This is due to the increase of the establishment of some hospitals, as it was noticed that the number of beds was insufficient for the patients who asked to be admitted for treatment.

The following table indicates the number of patients treated in hospitals during 1923 and 1924 :—

| Year. | Voluntary Patients. | Patients brought by the Police. | Total. |
|-------|---------------------|---------------------------------|--------|
| 1923  | 34,916              | 28,647                          | 63,563 |
| 1924  | 41,487              | 25,873                          | 67,360 |

The total number of voluntary patients entering the hospitals in 1924 shows an increase of 6,571 as compared with this category of patients in 1923.

The number of patients brought by the police in 1924 is lower than that of 1923 by 2,774.

The total number of patients in 1924 shows an increase of 3,797 as compared with the total of 1923.

The percentage of deaths occurring among in-patients in 1924 amounted to 5.110 per cent as against 4.868 per cent in 1923.

The number of days of treatment of the in-patients in 1924 is 1,013,430 while that of 1923 was 970,361, *i.e.*, with an increase of 43,069 days.

The total number of new out-patients amounted to 303,337 as against 286,657 in 1923 showing an increase of 16,680.

The number of operations performed in 1924 amounted to 20,195 as compared with 18,407 in 1923, *i.e.*, with an increase of 1,788.

The total cost of these hospitals in 1924 was L.E. 226,446 as compared with L.E. 238,297 in 1923 showing an increase of L.E. 11,851.

These sums do not include transport expenses nor the cost of the modifications and repairs of buildings.

The average cost per bed in 1924 was L.E. 81.618 mills. as against L.E. 89.425 mills. in 1923.

The average cost per patient per day was 223 mills. as compared with 245 Mills. in 1923.

The total hospital receipts in 1924 was L.E. 17,263 as against L.E. 15,743 in 1923, which show an increase of L.E. 1,520. The scale of treatment fees is the same as that of last year.

The figures referred to above appear in detail in the annexed tables from No. 1 to 9.



It is obvious that patients are greatly inclined towards admission to hospitals, a fact which is confirmed by the increase of the in-patients of this year as compared with their number in the previous one as well as the increase of the number of days of treatment and the number of surgical operations performed. The increase would have been greater but for the fact that a large number of patients had to be refused admission on account of lack of beds and insufficiency of accommodation. It must be mentioned that all the existing beds available in hospitals are constantly occupied by patients, thus compelling most of the hospitals to put into use a number of beds in excess of their establishments and on many occasions patients have been accommodated on mattresses placed on the ground.

Owing to the fact that hospitals are compelled to accept cases sent by the police, they are sometimes obliged to refuse to admit voluntary patients owing to the lack of accommodation. Voluntary patients as a class are therefore adversely affected.

It is, however, hoped that as a result of Department's struggle to bring about the creation of additional hospitals and children's dispensaries and the efforts being made at present towards this end by both the Provincial Councils and the inhabitants, the necessity for refusing admission of patients into hospitals will diminish.

The number of patients treated in the Ankylostoma annexes during 1924 is as follows :—

| NAME.                        | 1924   | 1923   |
|------------------------------|--------|--------|
| Qalyûb ... ..                | 9,903  | 15,348 |
| Mansûra ... ..               | 6,745  | 7,988  |
| Benha ... ..                 | 11,529 | 11,135 |
| Damanhûr ... ..              | 5,408  | —      |
| Tanta ... ..                 | 13,429 | 12,031 |
| Qasr el 'Aini ... ..         | 5,864  | 5,521  |
| Menûf (Menûfiya P.C.) ... .. | 9,769  | 4,497  |
| TOTAL ... ..                 | 62,647 | 56,520 |

The total number of cases treated in 1924 was 62,647 as against 56,520 in 1923, *i.e.*, an increase of 6,127 patients.

The treatment of Ankylostoma and Bilharzia patients at present is only performed in localities where there are special hospitals for such diseases, but owing to the success of experiments done in treating patients suffering from these diseases, the Department has decided to generalise the anthelmintic hospitals gradually throughout the country.

## 2.—DISPENSARIES AND OUT-PATIENTS DEPARTMENTS.

During this year 43,628 patients have been treated gratuitously in the Department's dispensaries at Bandars and Markazes mentioned in the table No. 10.

The total receipts realised from the sale of drugs in pharmacies authorised to sell drugs amounted to L.E. 324·37 mills. as mentioned in the table No. 11.

The following are the number of patients treated at these clinics and the sums of money collected therefrom in 1923 and 1924 :—

| Year. | Number of Patients. | Money collected. |     |
|-------|---------------------|------------------|-----|
|       |                     | L. E.            | M.  |
| 1923  | 33,494              | 390              | 522 |
| 1924  | 43,628              | 324              | 37  |



### 3.—CHILDREN'S DISPENSARIES AND SCHOOLS OF DAYAS.

There are 15 children's dispensaries in Egypt directed by 4 Medical Officers and 11 European nursing sisters and Egyptian midwives. These children's dispensaries are distributed as follows :—

Zagazig, Mansûra, Shebîn el Kôm, Damanhûr, Tanta, Port Said, Tukh, Faiyûm, Gîza, Beni Suef, Biba, Wasta, Minya, Kafr el Atrash, Damru. All these children's Dispensaries are attached to Provincial Councils, Municipalities or Local Commissions, with the exception of the last two dispensaries which belong to the State Domains Department, but the Department of Public Health has the right to supervise, inspect and give the technical and administrative directions to their Staff for the performance of their duties in a proper way.

There are 8 schools of dayas under the control of nursing sisters in the following towns :—

Tanta, Zagazig, Mansûra, Shebîn el Kôm, Damanhûr, Faiyûm, Minya and Sûhâg.

The object of these schools is to graduate dayas, who are more trained than the ordinary ones. The Department has the right to supervise these schools and give the nursing sisters, charged with its control, the necessary directions. At the end of the course of study, a board is constituted for the examination of the candidates, and the successful ones are given a permit to practice their profession.

The following lists Nos. 12 and 13 show the number of children treated in 1924 which amount to 459,430, *i.e.*, an increase of 60,943 over those treated in 1923.

List No. 14 shows that the number of confinements which took place with the help of the staff of the schools of dayas during this year was 5,081 as against 4,422 in 1924, an increase of 659 cases.

The number of dayas who passed the examination in 1924 was 178 as compared with 119 in 1923 showing an increase of 59 dayas.

The Department has instructed general hospitals, children's dispensaries and schools of dayas to examine the blood of pregnant women during the 3 primary months by Wasserman reaction. If the result of the examination is positive for syphilis, she must be treated.

These hospitals have been instructed to send quarterly statements showing particulars relative to the number of pregnant women whose blood was examined. Such work began on October 1, 1924.

The following is a detailed list showing these particulars during the last 3 months of 1924 :—

LIST SHOWING THE NUMBER OF PREGNANT WOMEN WHO WERE EXAMINED AND TREATED FOR SYPHILIS DURING THE PERIOD FROM OCTOBER 1, TO DECEMBER 31, 1924.

| NAME OF HOSPITAL.                        | Number of women examined. | RESULT OF EXAMINATION. |      |            |
|--|---------------------------|------------------------|------|------------|
|  |                           | Neg.                   | Pos. | Suspected. |
| Gabbary Lock Hospital ... ..             | 2                         | —                      | 2    | —          |
| Minya Government Hospital ... ..         | 10                        | 3                      | 4    | 3          |
| Benha „ „ ... ..                         | 14                        | 6                      | 5    | 3          |
| Qasr el 'Aini Government Hospital ... .. | 145                       | 102                    | 40   | 3          |
| Zagazig „ „ ... ..                       | 2                         | —                      | 1    | 1          |
| Qalyûb „ „ ... ..                        | 9                         | 2                      | 1    | 6          |
| Sûhâg „ „ ... ..                         | 2                         | 1                      | 1    | —          |
| Shebîn el Kôm „ „ ... ..                 | 11                        | 6                      | 3    | 2          |
| Faiyûm „ „ ... ..                        | 15                        | 5                      | 7    | 3          |
| Damanhûr „ „ ... ..                      | 15                        | 2                      | 11   | 2          |
| Tahita „ „ ... ..                        | 12                        | 6                      | 5    | 1          |
| TOTAL ... ..                             | 237                       | 133                    | 80   | 24         |

TABLE No. 1.—HOSPITAL RECEIPTS.

| HOSPITAL.                | TREATMENT FEES INPATIENTS. |             |             |             |                 | TREATMENT FEES OUT-PATIENTS. | OTHER RECEIPTS. |               |     | TOTAL. |
|--------------------------|----------------------------|-------------|-------------|-------------|-----------------|------------------------------|-----------------|---------------|-----|--------|
|                          | 1st. Class.                | 2nd. Class. | 3rd. Class. | 4th. Class. | Other expenses. |                              | Sale of Drugs.  | X Ray Photos. |     |        |
| Qasr el 'Aini ... ..     | —                          | —           | 1,067       | —           | —               | 2,044                        | 6               | —             | 88  | 3,205  |
| Hôd el Marsûd ... ..     | —                          | —           | —           | —           | —               | —                            | —               | —             | —   | —      |
| Fever Hospital 'Abbâsiya | 663                        | 1,996       | —           | —           | 149             | —                            | —               | —             | —   | 2,808  |
| Alexandria ... ..        | —                          | 151         | 245         | —           | 49              | 993                          | 1               | 4             | 5   | 1,448  |
| Qabbary ... ..           | —                          | —           | 1           | —           | —               | —                            | —               | —             | —   | 1      |
| Port Said General ... .. | 249                        | 199         | 219         | 412         | 18              | 223                          | 4               | 1             | 7   | 2,025  |
| Port Said Fever ... ..   | 45                         | 35          | 2           | —           | —               | —                            | —               | —             | —   | 82     |
| Suez ... ..              | 173                        | 392         | 27          | 126         | 10              | 110                          | 15              | —             | 2   | 855    |
| Damietta ... ..          | —                          | —           | 47          | —           | —               | 156                          | 4               | —             | 3   | 210    |
| Damanhûr ... ..          | —                          | 1           | 212         | —           | 7               | 85                           | 1               | —             | 12  | 318    |
| Tanta General ... ..     | 8                          | 58          | 256         | —           | 35              | 145                          | 1               | —             | 4   | 507    |
| Tanta Fever ... ..       | —                          | —           | —           | —           | —               | —                            | —               | —             | —   | —      |
| Zagazîg ... ..           | —                          | 52          | 209         | —           | 1               | 279                          | 4               | —             | 3   | 548    |
| Mansûra ... ..           | —                          | 115         | 270         | —           | —               | 167                          | —               | —             | 12  | 564    |
| Shibîn el Kôm ... ..     | 11                         | 9           | 234         | —           | 3               | 158                          | —               | —             | 2   | 417    |
| Benha ... ..             | —                          | 10          | 287         | —           | —               | 154                          | —               | —             | —   | 451    |
| Qalyûb ... ..            | —                          | —           | —           | —           | —               | —                            | —               | —             | 44  | 44     |
| Faiyûm ... ..            | 8                          | 9           | 112         | —           | 3               | 254                          | 1               | —             | 26  | 413    |
| Beni Suef ... ..         | —                          | 21          | 212         | —           | 21              | 200                          | 5               | —             | 24  | 483    |
| Minya ... ..             | —                          | 38          | 176         | —           | —               | 166                          | 2               | —             | 3   | 385    |
| Asyût ... ..             | —                          | 237         | 564         | —           | 29              | 200                          | 2               | 3             | 30  | 1,065  |
| Tahta ... ..             | —                          | —           | 8           | —           | —               | 80                           | 1               | —             | 2   | 91     |
| Sôhâg ... ..             | —                          | 15          | 230         | —           | —               | 102                          | 3               | —             | 281 | 631    |
| Qena ... ..              | —                          | 14          | 204         | —           | 1               | 86                           | 2               | —             | 4   | 311    |
| Luxor ... ..             | —                          | 19          | 38          | —           | —               | 42                           | 7               | —             | —   | 106    |
| Isna ... ..              | —                          | —           | 23          | —           | —               | 38                           | 20              | —             | 12  | 93     |
| Aswân ... ..             | —                          | 18          | 56          | —           | 17              | 27                           | 76              | —             | 8   | 202    |
| TOTAL ... ..             | 1,157                      | 3,389       | 5,392       | 538         | 343             | 5,709                        | 155             | 8             | 572 | 17,263 |

TABLE No. 2.—EXPENSES IN L.E.

| HOSPITAL.                 | Salaries. | Diet.  | Equipments. | Surgical Instruments. | Drugs. | Building Repairs. | Other expenses. | TOTAL.  |
|---------------------------|-----------|--------|-------------|-----------------------|--------|-------------------|-----------------|---------|
| Qasr el 'Aini ... ..      | 18,980    | 13,908 | 8,140       | —                     | 6,320  | —                 | 4,044           | 51,392  |
| Hôd el Marsûd ... ..      | 1,416     | 1,224  | 267         | —                     | 27     | —                 | 169             | 3,103   |
| 'Abbâsiya Fever ... ..    | 12,156    | 5,842  | 2,264       | —                     | 1,066  | —                 | 890             | 22,218  |
| Alexandria General ... .. | 11,627    | 7,314  | 2,941       | 1,000                 | 7,944  | —                 | 2,457           | 33,283  |
| Qabbary ... ..            | 1,232     | 1,026  | 412         | 32                    | 238    | —                 | 253             | 3,193   |
| Port Said General ... ..  | 4,529     | 3,039  | 1,988       | 537                   | 2,523  | 17                | 574             | 13,207  |
| Port Said Fever ... ..    | 1,055     | 348    | 457         | 12                    | 563    | —                 | 93              | 2,528   |
| Suez ... ..               | 5,081     | 2,112  | 1,168       | 136                   | 780    | —                 | 693             | 9,970   |
| Damietta ... ..           | 1,734     | 732    | 652         | 145                   | 317    | —                 | 133             | 3,713   |
| Damanhûr ... ..           | 2,194     | 936    | 859         | 164                   | 756    | —                 | 546             | 5,455   |
| Tanta General ... ..      | 3,141     | 2,175  | 821         | 370                   | 775    | —                 | 709             | 7,991   |
| Tanta Fever ... ..        | 598       | 190    | 132         | —                     | 75     | —                 | 48              | 1,043   |
| Zagazîg ... ..            | 2,970     | 1,114  | 1,164       | 248                   | 1,108  | —                 | 224             | 6,828   |
| Mansûra ... ..            | 2,796     | 1,831  | 1,095       | 191                   | 994    | —                 | 419             | 7,326   |
| Shibîn el Kôm ... ..      | 2,091     | 1,174  | 449         | 70                    | 739    | —                 | 219             | 4,742   |
| Benha ... ..              | 1,949     | 1,052  | 757         | 77                    | 660    | —                 | 146             | 4,641   |
| Qalyûb ... ..             | 1,473     | 626    | 381         | 133                   | 1,021  | —                 | 163             | 3,797   |
| Faiyûm ... ..             | 2,114     | 964    | 425         | 100                   | 944    | —                 | 219             | 4,766   |
| Beni-Suef ... ..          | 2,078     | 1,157  | 610         | 358                   | 757    | —                 | 385             | 5,345   |
| Minya ... ..              | 2,373     | 1,155  | 487         | 100                   | 1,089  | —                 | 358             | 5,562   |
| Asyût ... ..              | 3,111     | 1,904  | 867         | 146                   | 1,983  | —                 | 367             | 8,378   |
| Tahta ... ..              | 352       | 45     | 285         | 202                   | 175    | —                 | 19              | 1,078   |
| Sôhâg ... ..              | 1,742     | 1,017  | 715         | 306                   | 638    | —                 | 96              | 4,514   |
| Qena ... ..               | 2,187     | 788    | 640         | 56                    | 527    | —                 | 271             | 4,469   |
| Luxor ... ..              | 794       | 341    | 328         | 89                    | 241    | —                 | 36              | 1,829   |
| Isna ... ..               | 989       | 370    | 118         | 100                   | 537    | —                 | 55              | 2,169   |
| Aswân... ..               | 1,467     | 889    | 366         | 124                   | 944    | —                 | 116             | 3,906   |
| TOTAL ... ..              | 92,229    | 53,273 | 28,788      | 4,696                 | 33,741 | 17                | 13,702          | 226,446 |



TABLE No. 3—PATIENTS AND COMPARISON BETWEEN COST AND RECEIPTS 1924.

| HOSPITAL.              | Number of Beds. | NUMBER OF IN-PATIENTS. |                              | NUMBER OF OUT-PATIENTS. |                   | Number of Operations. | COST OF UPKEEP. |                         |     | RECEIPTS.       |                             |                               |      |     |
|------------------------|-----------------|------------------------|------------------------------|-------------------------|-------------------|-----------------------|-----------------|-------------------------|-----|-----------------|-----------------------------|-------------------------------|------|-----|
|                        |                 | TOTAL.                 | Number of days of Treatment. | TOTAL.                  | Number of Visits. |                       | Total Cost.     | Cost per Bed per Annum. |     | Total Receipts. | Receipts per Bed per Annum. | Receipts per Patient per Day. |      |     |
|                        |                 |                        |                              |                         |                   |                       |                 | L.E.                    | M.  |                 |                             |                               | L.E. | M.  |
| Qasr el 'Aini ...      | 720             | 14,543                 | 216,663                      | 80,673                  | 59,339            | 6,196                 | 51,392          | 66                      | 781 | 3,205           | 4                           | 546                           | —    | 014 |
| Hôd el Marsûd ...      | 250             | 2,589                  | 51,935                       | 94                      | 1,953             | —                     | 3,103           | 12                      | 412 | —               | —                           | —                             | —    | —   |
| 'Abbâssiya Fever ...   | 900             | 2,157                  | 34,502                       | —                       | —                 | —                     | 22,218          | 24                      | 687 | 2,808           | 3                           | 120                           | —    | 081 |
| Alexandria General ... | 435             | 9,314                  | 116,514                      | 35,791                  | 88,873            | 2,475                 | 33,283          | 76                      | 513 | 1,448           | 3                           | 328                           | —    | 012 |
| Qabbari ...            | 133             | 779                    | 26,914                       | 40                      | 127               | —                     | 3,193           | 24                      | 008 | 1               | —                           | —                             | —    | —   |
| Port Said General ...  | 160             | 3,169                  | 49,568                       | 19,710                  | 38,137            | 568                   | 13,207          | 82                      | 544 | 2,025           | 12                          | 656                           | —    | 040 |
| Port Said Fever ...    | 54              | 660                    | 3,613                        | —                       | —                 | —                     | 2,528           | 46                      | 815 | 82              | 1                           | 735                           | —    | 023 |
| Suez ...               | 175             | 3,214                  | 36,894                       | 8,023                   | 14,063            | 245                   | 9,970           | 56                      | 971 | 855             | 4                           | 885                           | —    | 023 |
| Damietta ...           | 69              | 1,166                  | 20,176                       | 10,266                  | 18,507            | 484                   | 3,713           | 53                      | 812 | 210             | 3                           | 43                            | —    | 010 |
| Damanhûr ...           | 92              | 1,901                  | 29,422                       | 4,849                   | 8,731             | 441                   | 5,455           | 59                      | 185 | 318             | 3                           | 456                           | —    | 010 |
| Tanta General ...      | 155             | 2,942                  | 50,407                       | 8,283                   | 20,984            | 1,230                 | 7,991           | 51                      | 555 | 507             | 9                           | 218                           | —    | 010 |
| Tanta Fever ...        | 30              | 346                    | 3,727                        | —                       | —                 | —                     | 1,043           | 34                      | 767 | —               | —                           | —                             | —    | —   |
| Zagazig ...            | 134             | 2,393                  | 34,419                       | 11,788                  | 30,806            | 1,291                 | 6,828           | 50                      | 955 | 548             | 4                           | 89                            | —    | 015 |
| Mansûra ...            | 156             | 2,886                  | 40,844                       | 13,898                  | 29,323            | 769                   | 7,326           | 47                      | 602 | 564             | 3                           | 615                           | —    | 013 |
| Shibîn el Kôm ...      | 81              | 1,872                  | 24,517                       | 8,345                   | 26,015            | 673                   | 4,742           | 58                      | 543 | 417             | 5                           | 148                           | —    | 017 |
| Benha ...              | 81              | 2,611                  | 31,762                       | 9,875                   | 19,462            | 876                   | 4,641           | 57                      | 296 | 451             | 5                           | 567                           | —    | 013 |
| Qalyûb ...             | 59              | 1,091                  | 18,981                       | 12,675                  | 21,351            | 746                   | 3,797           | 64                      | 355 | 44              | —                           | 745                           | —    | 002 |
| Faiyûm ...             | 77              | 1,607                  | 27,403                       | 12,189                  | 25,607            | 609                   | 4,766           | 61                      | 896 | 413             | 5                           | 363                           | —    | 015 |
| Beni Suef ...          | 86              | 1,673                  | 25,129                       | 12,244                  | 33,692            | 532                   | 5,345           | 62                      | 151 | 483             | 5                           | 616                           | —    | 015 |
| Minya ...              | 103             | 2,284                  | 33,900                       | 8,444                   | 19,505            | 557                   | 5,562           | 53                      | 941 | 385             | 3                           | 737                           | —    | 011 |
| Asyût ...              | 187             | 3,600                  | 57,106                       | 14,429                  | 22,507            | 977                   | 8,378           | 46                      | 943 | 1,065           | 5                           | 695                           | —    | 011 |
| Talûta ...             | 15              | 143                    | 1,256                        | 3,602                   | 9,343             | 64                    | 1,078           | 72                      | 533 | 91              | 6                           | 60                            | —    | 072 |
| Sohâg ...              | 74              | 1,709                  | 25,529                       | 7,661                   | 14,485            | 264                   | 4,514           | 61                      | —   | 631             | 8                           | 527                           | —    | 024 |
| Qena ...               | 63              | 1,231                  | 24,197                       | 6,580                   | 11,134            | 323                   | 4,469           | 70                      | 936 | 311             | 4                           | 936                           | —    | 012 |
| Luxor ...              | 16              | 434                    | 7,383                        | 7,341                   | 18,349            | 638                   | 1,829           | 114                     | 312 | 106             | 6                           | 625                           | —    | 014 |
| Isna ...               | 31              | 577                    | 10,499                       | 2,564                   | 5,409             | 223                   | 2,169           | 69                      | 967 | 93              | 3                           | —                             | —    | 009 |
| Aswân ...              | 45              | 469                    | 10,170                       | 3,973                   | 10,502            | 214                   | 3,906           | 77                      | 911 | 202             | 4                           | 488                           | —    | 019 |
| TOTAL ...              | 4,381           | 67,360                 | 1,013,430                    | 303,337                 | 548,204           | 20,195                | 226,446         | 81                      | 618 | 17,863          | —                           | —                             | —    | —   |

TABLE NO. 4.—LIST OF SORTS OF CASES OF PROSTITUTES.

| Hospital.                 | Syphilis. | Gonorrhœa. | Other Cases. | Total Number of Prostitutes. |
|---------------------------|-----------|------------|--------------|------------------------------|
| Qasr el 'Aini ... ..      | —         | —          | —            | —                            |
| Hôd el Marsûd ... ..      | 677       | 1,901      | 11           | 2,589                        |
| 'Abbasiya Fever ... ..    | —         | —          | —            | —                            |
| Alexandria General ... .. | —         | —          | —            | —                            |
| Qabbary ... ..            | 141       | 460        | 178          | 779                          |
| Port Saïd General ... ..  | 34        | 130        | 47           | 211                          |
| Port Saïd Fever ... ..    | —         | —          | —            | —                            |
| Suez ... ..               | 8         | 254        | 13           | 275                          |
| Damietta ... ..           | 3         | 2          | 1            | 6                            |
| Damanhûr ... ..           | 11        | 110        | 5            | 126                          |
| Tanta General ... ..      | 57        | 169        | 13           | 239                          |
| Tanta Fever ... ..        | —         | —          | —            | —                            |
| Zagazig ... ..            | 14        | 89         | —            | 103                          |
| Mansûra ... ..            | 43        | 161        | —            | 204                          |
| Shebîn el Kôm ... ..      | 5         | 17         | 1            | 23                           |
| Benha ... ..              | 7         | 45         | 3            | 55                           |
| Qalyûb ... ..             | —         | —          | —            | —                            |
| Faiyûm ... ..             | 4         | 27         | 3            | 34                           |
| Beni Suef ... ..          | 4         | 82         | 5            | 91                           |
| Minya ... ..              | 35        | 166        | 1            | 202                          |
| Asyût ... ..              | 28        | 219        | 8            | 255                          |
| Tahta ... ..              | —         | —          | —            | —                            |
| Sohâg ... ..              | 24        | 137        | —            | 161                          |
| Qena... ..                | 12        | 141        | 6            | 159                          |
| Luxor ... ..              | —         | —          | —            | —                            |
| Isna ... ..               | 7         | 52         | 4            | 63                           |
| Aswân ... ..              | 1         | 18         | 1            | 20                           |
| TOTAL ... ..              | 1,115     | 4,180      | 300          | 5,595                        |

TABLE NÔ. 5.—LIST OF BEDS.

| Hospital.                 | 1st Class. | 2nd Class. | 3rd Class. | Other beds. | Total Number of beds. |
|---------------------------|------------|------------|------------|-------------|-----------------------|
| Qasr el 'Aini ... ..      | —          | —          | 604        | 116         | 720                   |
| Hôd el Marsûd ... ..      | —          | —          | 250        | —           | 250                   |
| 'Abbasiya Fever ... ..    | 25         | 50         | 825        | —           | 900                   |
| Alexandria General ... .. | —          | 6          | 396        | 33          | 435                   |
| Qabbary ... ..            | —          | —          | 130        | 3           | 133                   |
| Port Saïd General ... ..  | 4          | 8          | 148        | —           | 160                   |
| Port Saïd Fever ... ..    | 14         | 20         | 20         | —           | 54                    |
| Suez ... ..               | 12         | 17         | 140        | 6           | 175                   |
| Damietta ... ..           | —          | —          | 69         | —           | 69                    |
| Damanhûr ... ..           | —          | —          | 39         | 3           | 92                    |
| Tanta General ... ..      | 1          | 4          | 145        | 5           | 155                   |
| Tanta Fever ... ..        | —          | —          | 30         | —           | 30                    |
| Zagazig ... ..            | 1          | 2          | 127        | 4           | 134                   |
| Mansûra ... ..            | 1          | 7          | 145        | 3           | 156                   |
| Shebîn el Kôm ... ..      | —          | 2          | 78         | 1           | 81                    |
| Benha ... ..              | 2          | 3          | 75         | 1           | 81                    |
| Qalyûb ... ..             | 2          | 2          | 55         | —           | 59                    |
| Faiyûm ... ..             | 2          | 2          | 72         | 1           | 77                    |
| Beni Suef ... ..          | —          | 2          | 80         | 4           | 86                    |
| Minya ... ..              | —          | 2          | 100        | 1           | 103                   |
| Asyût ... ..              | —          | 14         | 170        | 3           | 187                   |
| Tahta ... ..              | —          | —          | 15         | —           | 15                    |
| Sohâg ... ..              | —          | 2          | 71         | 1           | 74                    |
| Qena ... ..               | —          | 2          | 60         | 1           | 63                    |
| Luxor ... ..              | —          | —          | 16         | —           | 16                    |
| Isna ... ..               | —          | —          | 31         | —           | 31                    |
| Aswân ... ..              | 1          | 2          | 41         | 1           | 45                    |
| TOTAL ... ..              | 65         | 147        | 3,982      | 187         | 4,381                 |



TABLE NO. 6.—STATISTICS INPATIENTS.

| Hospital.                 | ADMISSIONS. |           |        | DISCHARGE. |           |       |        | Remaining |
|---------------------------|-------------|-----------|--------|------------|-----------|-------|--------|-----------|
|                           | Existing.   | Admitted. | Total. | Cured.     | Relieved. | Dead. | Total. |           |
| Qasr el 'Aini ... ..      | 548         | 13,995    | 14,543 | 13,373     | —         | 1,204 | 14,577 | 514       |
| Hôd el Marsoud ... ..     | 111         | 2,478     | 2,589  | 2,412      | —         | —     | 2,412  | 177       |
| 'Abbasiya Fever ... ..    | 109         | 2,048     | 2,157  | 1,900      | 12        | 169   | 2,081  | 76        |
| Alexandria General ... .. | 313         | 9,001     | 9,314  | 7,881      | 515       | 589   | 8,985  | 329       |
| Qabbary ... ..            | 132         | 647       | 779    | 724        | —         | —     | 724    | 55        |
| Port Said General ... ..  | 133         | 3,036     | 3,169  | 2,779      | 151       | 121   | 3,051  | 118       |
| Port Said Fever ... ..    | 7           | 653       | 660    | 623        | —         | 31    | 654    | 6         |
| Suez ... ..               | 55          | 3,159     | 3,214  | 2,968      | 62        | 92    | 3,122  | 92        |
| Damietta ... ..           | 41          | 1,125     | 1,166  | 1,076      | 10        | 28    | 1,114  | 52        |
| Damanhûr ... ..           | 75          | 1,826     | 1,901  | 1,076      | 660       | 81    | 1,817  | 84        |
| Tanta General ... ..      | 120         | 2,822     | 2,942  | 2,531      | 138       | 157   | 2,826  | 116       |
| Tanta Fever ... ..        | 6           | 340       | 346    | 315        | 3         | 22    | 340    | 6         |
| Zagazîg ... ..            | 79          | 2,314     | 2,393  | 2,137      | 59        | 113   | 2,309  | 84        |
| Mansûra ... ..            | 153         | 2,733     | 2,886  | 1,660      | 1,038     | 93    | 2,791  | 95        |
| Shebîn el Kôm ... ..      | 44          | 1,828     | 1,872  | 1,721      | 34        | 45    | 1,800  | 72        |
| Benha ... ..              | 88          | 2,523     | 2,611  | 1,609      | 866       | 60    | 2,535  | 76        |
| Qalyûb ... ..             | 64          | 1,027     | 1,091  | 689        | 331       | 32    | 1,052  | 39        |
| Faiyûm ... ..             | 69          | 1,538     | 1,607  | 1,144      | 337       | 57    | 1,538  | 69        |
| Beni Suef ... ..          | 53          | 1,620     | 1,673  | 1,494      | 50        | 75    | 1,619  | 54        |
| Minya ... ..              | 76          | 2,208     | 2,284  | 1,863      | 252       | 86    | 2,201  | 83        |
| Assyût ... ..             | 102         | 3,498     | 3,600  | 2,097      | 1,198     | 134   | 3,429  | 171       |
| Tahta ... ..              | —           | 143       | 143    | 127        | 4         | 2     | 133    | 10        |
| Sohâg ... ..              | 88          | 1,621     | 1,709  | 1,512      | 57        | 65    | 1,634  | 75        |
| Qena ... ..               | 62          | 1,169     | 1,231  | 1,100      | 46        | 45    | 1,191  | 40        |
| Luxor ... ..              | 10          | 424       | 434    | 398        | 8         | 14    | 420    | 14        |
| Isna ... ..               | 17          | 560       | 577    | 515        | 22        | 10    | 547    | 30        |
| Aswân ... ..              | 19          | 450       | 469    | 288        | 133       | 14    | 435    | 34        |
| TOTAL ... ..              | 2,574       | 64,786    | 67,360 | 56,012     | 5,986     | 3,339 | 65,337 | 2,571     |

TABLE NO. 7.—DETAILED LIST OF INPATIENTS.

| HOSPITAL.                 | Patients came by their own will. | Cases sent by the Police. | Total. | Number of days of treatment. |
|---------------------------|----------------------------------|---------------------------|--------|------------------------------|
| Qasr el 'Aini ... ..      | 9,109                            | 5,434                     | 14,543 | 216,663                      |
| Hôd el Marsûd ... ..      | —                                | 2,589                     | 2,589  | 51,935                       |
| 'Abbasiya Fever ... ..    | 1,892                            | 265                       | 2,157  | 34,502                       |
| Alexandria General ... .. | 4,195                            | 5,119                     | 9,314  | 116,514                      |
| Qabbary ... ..            | —                                | 779                       | 779    | 26,914                       |
| Port Said General ... ..  | 3,751                            | 418                       | 3,169  | 49,568                       |
| Port Said Fever ... ..    | 660                              | —                         | 660    | 3,613                        |
| Suez ... ..               | 3,073                            | 141                       | 3,214  | 36,894                       |
| Damietta ... ..           | 989                              | 177                       | 1,166  | 20,176                       |
| Damanhûr ... ..           | 882                              | 1,019                     | 1,901  | 29,422                       |
| Tanta General ... ..      | 1,235                            | 1,707                     | 2,942  | 50,407                       |
| Tanta Fever ... ..        | 346                              | —                         | 346    | 3,727                        |
| Zagaîzg ... ..            | 1,847                            | 546                       | 2,393  | 34,419                       |
| Mansûra ... ..            | 2,374                            | 512                       | 2,886  | 40,844                       |
| Shebîn el Kôm ... ..      | 833                              | 1,039                     | 1,872  | 24,517                       |
| Benha ... ..              | 2,043                            | 568                       | 2,611  | 31,762                       |
| Qalyûb ... ..             | 913                              | 178                       | 1,091  | 18,981                       |
| Faiyûm ... ..             | 1,109                            | 498                       | 1,607  | 27,403                       |
| Beni Suef ... ..          | 1,155                            | 518                       | 1,673  | 25,129                       |
| Minya ... ..              | 1,154                            | 1,130                     | 2,284  | 33,900                       |
| Assyût ... ..             | 2,205                            | 1,395                     | 3,600  | 57,106                       |
| Tahta ... ..              | 137                              | 6                         | 143    | 1,256                        |
| Sohâg ... ..              | 732                              | 977                       | 1,709  | 25,529                       |
| Qena ... ..               | 692                              | 539                       | 1,231  | 24,197                       |
| Luxor ... ..              | 368                              | 66                        | 434    | 7,383                        |
| Isna ... ..               | 524                              | 53                        | 577    | 10,499                       |
| Aswân ... ..              | 269                              | 200                       | 469    | 10,170                       |
| TOTAL ... ..              | 41,487                           | 25,873                    | 67,360 | 1,013,430                    |

TABLE NO. 8.— DETAILED LIST OF OUTPATIENTS.

| Hospital.                 | Patients came by<br>their own will. | Cases sent by<br>the Police. | TOTAL.         | Number of Visits. |
|---------------------------|-------------------------------------|------------------------------|----------------|-------------------|
| Qasr el 'Aini ... ..      | 76,183                              | 4,490                        | 80,673         | 59,339            |
| Hôd el Marsûd ... ..      | —                                   | 94                           | 94             | 1,953             |
| 'Abbasiya Fever ... ..    | —                                   | —                            | —              | —                 |
| Alexandria General ... .. | 29,748                              | 6,043                        | 35,791         | 88,873            |
| Qabbary ... ..            | —                                   | 40                           | 40             | 127               |
| Port Said General... ..   | 19,173                              | 537                          | 19,710         | 38,137            |
| Port Said Fever ... ..    | —                                   | —                            | —              | —                 |
| Suez ... ..               | 7,849                               | 174                          | 8,023          | 14,063            |
| Damietta ... ..           | 10,100                              | 166                          | 10,266         | 18,507            |
| Damanhûr ... ..           | 4,507                               | 342                          | 4,849          | 8,731             |
| Tanta General ... ..      | 7,294                               | 989                          | 8,283          | 20,984            |
| Tanta Fever ... ..        | —                                   | —                            | —              | —                 |
| Zagazîg ... ..            | 11,011                              | 777                          | 11,788         | 30,806            |
| Mansûra ... ..            | 13,503                              | 395                          | 13,898         | 29,323            |
| Shebin El Kôm ... ..      | 375                                 | 7,970                        | 8,345          | 26,015            |
| Benha ... ..              | 9,734                               | 141                          | 9,875          | 19,462            |
| Qalyûb ... ..             | 12,571                              | 104                          | 12,675         | 21,351            |
| Faiyûm ... ..             | 11,985                              | 204                          | 12,189         | 25,607            |
| Beni Suef ... ..          | 12,080                              | 164                          | 12,244         | 33,692            |
| Minya ... ..              | 8,128                               | 316                          | 8,444          | 19,505            |
| Asyût ... ..              | 14,292                              | 137                          | 14,429         | 22,507            |
| Tahta ... ..              | 3,589                               | 13                           | 3,602          | 9,343             |
| Sohâg ... ..              | 7,503                               | 158                          | 7,661          | 14,485            |
| Qena... ..                | 6,580                               | —                            | 6,580          | 11,134            |
| Luxor ... ..              | 7,341                               | —                            | 7,341          | 18,349            |
| Isna ... ..               | 2,526                               | 38                           | 2,564          | 5,409             |
| Aswân ... ..              | 3,900                               | 73                           | 3,973          | 10,502            |
| <b>TOTAL ... ..</b>       | <b>279,972</b>                      | <b>23,365</b>                | <b>303,337</b> | <b>548,204</b>    |



TABLE IX.—

| SECTIONS.                              | Qasr el-<br>Aini Hosp. | Hôd<br>El Masûd<br>Hosp. | Fever<br>Hosp. ʿAbba-<br>siya. | Alex.<br>Hosp. Gen. | Lock<br>Hosp. Alex. | Port<br>Said Hosp.<br>Gen. | Port<br>Said Fever<br>Hosp. | Suez. | Damietta. | Damanhûr. | Tanta<br>Gen. | Tanta<br>Fever Hosp. |
|--|------------------------|--------------------------|--------------------------------|---------------------|---------------------|----------------------------|-----------------------------|-------|-----------|-----------|---------------|----------------------|
| <i>Medical :—</i>                      |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Alimentary :—                          |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Diseases of stomach ...                | 59                     | —                        | —                              | 90                  | —                   | 71                         | —                           | 66    | 7         | 8         | 11            | —                    |
| Tuber, peritonitis ...                 | 46                     | —                        | —                              | 24                  | —                   | 2                          | —                           | 15    | —         | —         | —             | —                    |
| Dysentery ...                          | 99                     | —                        | —                              | 162                 | —                   | 83                         | —                           | 133   | 3         | 15        | 42            | —                    |
| Diarrhœa and enteritis                 | 43                     | —                        | —                              | 123                 | —                   | 60                         | —                           | 35    | 12        | 20        | 51            | —                    |
| Liver ...                              | 65                     | —                        | —                              | 44                  | —                   | 8                          | —                           | 9     | 2         | 2         | 15            | —                    |
| Other diseases ...                     | 76                     | —                        | —                              | 88                  | —                   | 70                         | —                           | 9     | —         | 2         | 3             | —                    |
| Respiratory :—                         |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Pneumonia ...                          | 117                    | —                        | —                              | 108                 | —                   | 14                         | —                           | 33    | —         | 4         | 9             | —                    |
| Phthisis ...                           | 306                    | —                        | —                              | 125                 | —                   | 54                         | —                           | 17    | 3         | 8         | 17            | —                    |
| Pleurisy ...                           | 31                     | —                        | —                              | 18                  | —                   | 12                         | —                           | 16    | —         | 3         | 4             | —                    |
| Other diseases ...                     | 277                    | —                        | —                              | 252                 | —                   | 132                        | —                           | 70    | 12        | 8         | 62            | —                    |
| Circulatory :—                         |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Heart ...                              | 230                    | —                        | —                              | 196                 | —                   | 53                         | —                           | 30    | 7         | 9         | 23            | —                    |
| Other diseases ...                     | 1                      | —                        | —                              | 9                   | —                   | —                          | —                           | 4     | —         | —         | 1             | —                    |
| Urinary :—                             |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Nephritis ...                          | 237                    | —                        | —                              | 68                  | —                   | 22                         | —                           | 37    | 17        | 26        | 52            | —                    |
| Other diseases ...                     | 154                    | —                        | —                              | 119                 | —                   | 91                         | —                           | 15    | 4         | 7         | 8             | —                    |
| Blood :—                               |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Spleen ...                             | 298                    | —                        | —                              | 74                  | —                   | 31                         | —                           | 5     | 5         | 13        | 29            | —                    |
| Other diseases ...                     | 43                     | —                        | —                              | 33                  | —                   | 5                          | —                           | 2     | —         | —         | —             | —                    |
| Nervous :—                             |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Brain ...                              | 192                    | —                        | —                              | 34                  | —                   | 23                         | —                           | 5     | —         | —         | 5             | —                    |
| Spinal cord ...                        | 76                     | —                        | —                              | 12                  | —                   | 1                          | —                           | —     | 1         | —         | 5             | —                    |
| Other diseases ...                     | 179                    | —                        | —                              | 64                  | —                   | 26                         | —                           | 1     | 1         | —         | 17            | —                    |
| Constitutional :—                      |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Rheumatism ...                         | 38                     | —                        | —                              | 138                 | —                   | 47                         | —                           | 66    | 5         | 11        | 31            | —                    |
| Diabetes ...                           | 69                     | —                        | —                              | 38                  | —                   | 9                          | —                           | 8     | 4         | 2         | 9             | —                    |
| Senility ...                           | —                      | —                        | —                              | 32                  | —                   | 10                         | —                           | 15    | —         | 1         | 20            | —                    |
| Debility ...                           | 79                     | —                        | —                              | 90                  | —                   | 33                         | —                           | 21    | 58        | 25        | 15            | —                    |
| Parasitic :—                           |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Malaria ...                            | 23                     | —                        | —                              | 95                  | —                   | 2                          | —                           | 9     | 1         | 1         | 4             | —                    |
| Ankylostomiasis ...                    | 119                    | —                        | —                              | 115                 | —                   | 48                         | —                           | 43    | 44        | 33        | 48            | —                    |
| Filaria ...                            | 1                      | —                        | —                              | —                   | —                   | —                          | —                           | —     | —         | —         | —             | —                    |
| Pellagra ...                           | 52                     | —                        | —                              | 51                  | —                   | 18                         | —                           | 14    | 6         | 29        | 62            | —                    |
| Poisoning :—                           |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Alcohol ...                            | 147                    | —                        | —                              | 138                 | —                   | 10                         | —                           | 1     | —         | —         | 48            | —                    |
| Other poisons ...                      | 371                    | —                        | —                              | 118                 | —                   | 23                         | —                           | 19    | —         | 8         | 79            | —                    |
| Lunatics ...                           | 176                    | —                        | —                              | 170                 | —                   | 42                         | —                           | 14    | —         | 45        | 55            | —                    |
| Other medical diseases ...             | 485                    | —                        | —                              | 124                 | —                   | 181                        | —                           | 1099  | 25        | 139       | 127           | —                    |
| <i>Surgical :—</i>                     |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Fractures :—                           |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Simple ...                             | 646                    | —                        | —                              | 245                 | —                   | 80                         | —                           | 26    | 30        | 40        | 120           | —                    |
| Compound ...                           | 185                    | —                        | —                              | 100                 | —                   | 31                         | —                           | 12    | 10        | 43        | 85            | —                    |
| Tumours :—                             |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Malignant ...                          | 164                    | —                        | —                              | 49                  | —                   | 12                         | —                           | 7     | 2         | 1         | 10            | —                    |
| Non-malignant ...                      | 188                    | —                        | —                              | 50                  | —                   | 20                         | —                           | 11    | —         | —         | 9             | —                    |
| Traumatic injuries ...                 | 1057                   | —                        | —                              | 844                 | —                   | 154                        | —                           | 85    | 67        | 412       | 379           | —                    |
| Burns ...                              | 266                    | —                        | —                              | 179                 | —                   | 62                         | —                           | 30    | 13        | 15        | 51            | —                    |
| Bilharziasis ...                       | 378                    | —                        | —                              | 152                 | —                   | 176                        | —                           | 83    | 398       | 269       | 153           | —                    |
| Fistula in ano ...                     | 63                     | —                        | —                              | 108                 | —                   | 77                         | —                           | 24    | 17        | 20        | 68            | —                    |
| Liver abscess ...                      | 12                     | —                        | —                              | 10                  | —                   | 3                          | —                           | 4     | 1         | 3         | 2             | —                    |
| Hernia ...                             | 516                    | —                        | —                              | 452                 | —                   | 150                        | —                           | 61    | 28        | 43        | 128           | —                    |
| Hæmorrhoids ...                        | 192                    | —                        | —                              | 351                 | —                   | 80                         | —                           | 40    | 24        | 23        | 61            | —                    |
| Appendicitis ...                       | 47                     | —                        | —                              | 30                  | —                   | 13                         | —                           | 2     | —         | —         | 6             | —                    |
| Vesical calculus ...                   | 126                    | —                        | —                              | 42                  | —                   | 24                         | —                           | 10    | 11        | 32        | 46            | —                    |
| Other surgical diseases ...            | 3950                   | —                        | —                              | 1171                | —                   | 526                        | —                           | 287   | 204       | 277       | 520           | —                    |
| <i>Ophthalmic</i> ...                  | 1316                   | —                        | —                              | 644                 | —                   | 97                         | —                           | 83    | 68        | —         | —             | —                    |
| <i>Skin Diseases</i> ...               | 272                    | —                        | —                              | 621                 | —                   | 49                         | —                           | 27    | 17        | 56        | 45            | —                    |
| <i>Venereal :—</i>                     |                        |                          |                                |                     |                     |                            |                             |       |           |           |               |                      |
| Syphilis ...                           | 275                    | 679                      | —                              | 190                 | 141                 | 121                        | —                           | 31    | 17        | 48        | 97            | —                    |
| Gonorrhœa ...                          | 4                      | 1910                     | —                              | 60                  | 460                 | 184                        | —                           | 313   | 7         | 129       | 206           | —                    |
| Soft Sores ...                         | —                      | —                        | —                              | 18                  | —                   | —                          | —                           | —     | —         | —         | —             | —                    |
| <i>Midwifery</i> ...                   | 512                    | —                        | —                              | 82                  | —                   | 46                         | —                           | 7     | —         | 17        | 30            | —                    |
| <i>Gynæcological diseases</i> ...      | 314                    | —                        | —                              | 168                 | 178                 | 44                         | —                           | 15    | 14        | 24        | 49            | —                    |
| <i>Foundlings</i> ...                  | —                      | —                        | —                              | 38                  | —                   | —                          | —                           | —     | —         | —         | —             | —                    |
| <i>Relatives accompanying patients</i> | —                      | —                        | —                              | 390                 | —                   | 59                         | —                           | 62    | 21        | 29        | 25            | —                    |
| <i>Under observation</i> ...           | —                      | —                        | —                              | 128                 | —                   | —                          | —                           | —     | —         | —         | —             | —                    |
| <i>Fevers</i> ...                      | —                      | —                        | 2,157                          | 450                 | —                   | —                          | 660                         | —     | —         | —         | —             | 346                  |
| TOTAL ...                              | 14,543                 | 2,589                    | 2,157                          | 9,314               | 779                 | 3,169                      | 660                         | 3,214 | 1,166     | 1,901     | 2,942         | 346                  |

DETAILS OF HOSPITAL RETURNS OF SICK, 1924.

| Zagazig Hosp. | Mansûra. | Shebîn El Kôm. | Benha | Qalyûb. | Faiyûm. | Beni Suef. | Minya. | Asyût. | Tahta. | Sohâg. | Qena. | Luxor | Isna. | Aswân. | TOTAL. |
|---------------|----------|----------------|-------|---------|---------|------------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 22            | 96       | 3              | 1     | 8       | 29      | 13         | —      | 25     | 1      | 16     | 20    | 2     | —     | 9      | 567    |
| —             | —        | 1              | —     | 1       | —       | 1          | 4      | 6      | —      | —      | —     | 2     | 2     | —      | 104    |
| 18            | 4        | 10             | 46    | 3       | 23      | 12         | 27     | 62     | 7      | 14     | 19    | 18    | 5     | 14     | 869    |
| 18            | 45       | 5              | 18    | 3       | 35      | 12         | 36     | 35     | 3      | 5      | 7     | 6     | 16    | 4      | 642    |
| 23            | 21       | 2              | 7     | 5       | —       | 1          | 4      | 13     | 6      | 3      | 1     | 2     | 3     | 1      | 237    |
| 2             | 3        | —              | 62    | 3       | 11      | —          | 28     | 18     | —      | —      | 6     | 7     | —     | 5      | 393    |
| 7             | 9        | 3              | 4     | 1       | 10      | 6          | 2      | 16     | 4      | 5      | 5     | 1     | 2     | 2      | 362    |
| 2             | 13       | 5              | 16    | 4       | 5       | 1          | 12     | 14     | 3      | —      | 9     | 5     | 3     | 5      | 627    |
| 3             | 6        | —              | —     | 1       | 3       | 1          | 1      | 1      | —      | —      | 1     | 2     | —     | 1      | 104    |
| 31            | 44       | 25             | 68    | 32      | 48      | 21         | 37     | 78     | 11     | —      | 28    | 13    | 4     | 6      | 1,259  |
| 27            | 18       | 14             | 24    | 9       | 11      | 5          | 21     | 21     | 6      | 2      | 15    | 3     | 4     | 3      | 731    |
| —             | —        | 4              | 8     | —       | 2       | —          | 1      | 6      | —      | —      | 3     | 3     | 4     | 4      | 50     |
| 11            | 27       | 10             | 47    | 7       | 5       | 13         | 3      | 24     | 1      | 1      | 15    | 6     | 1     | 3      | 633    |
| 50            | 27       | 12             | 26    | —       | 35      | 27         | 23     | 30     | —      | —      | 15    | 4     | —     | 7      | 654    |
| 5             | 36       | 13             | 2     | 11      | 15      | 5          | —      | 9      | —      | —      | 3     | 2     | —     | —      | 556    |
| —             | —        | 5              | 94    | 18      | 10      | —          | 12     | 3      | —      | —      | —     | 9     | —     | 4      | 238    |
| 2             | 8        | 6              | —     | —       | —       | —          | 1      | 1      | —      | —      | —     | —     | —     | —      | 277    |
| 1             | 4        | —              | —     | —       | —       | —          | —      | 1      | —      | —      | 2     | —     | —     | —      | 103    |
| 13            | 9        | —              | 19    | —       | 8       | 7          | 12     | 25     | 3      | —      | 9     | 4     | 1     | 3      | 401    |
| 13            | 25       | 22             | 38    | 5       | 24      | 17         | 25     | 44     | 2      | 14     | 20    | 8     | 7     | 2      | 602    |
| 4             | 2        | 3              | 3     | —       | 2       | —          | 6      | 18     | 1      | 3      | 2     | 1     | 2     | 1      | 187    |
| 9             | 14       | —              | 8     | 3       | 2       | 2          | 6      | 3      | —      | 5      | 5     | 1     | 1     | 1      | 138    |
| 7             | 6        | 12             | 10    | 6       | 35      | 12         | 6      | 94     | 15     | 7      | 3     | 13    | 2     | 7      | 522    |
| —             | 4        | 4              | 4     | 3       | 6       | 1          | 6      | —      | —      | 1      | 1     | 1     | —     | 4      | 170    |
| 30            | 42       | 40             | 39    | 26      | 43      | 12         | 107    | 222    | 11     | 214    | 201   | 74    | 71    | 9      | 1,591  |
| —             | —        | —              | —     | —       | —       | —          | —      | —      | —      | —      | —     | —     | —     | —      | 1      |
| 30            | 34       | 7              | 29    | 8       | 4       | 6          | 18     | 49     | —      | 3      | 3     | 2     | 4     | —      | 429    |
| 4             | 12       | 21             | 10    | —       | 4       | 6          | 10     | 9      | 1      | 7      | 4     | —     | —     | 3      | 435    |
| 9             | 36       | 10             | 9     | 7       | 7       | 15         | 13     | 46     | —      | 5      | 7     | —     | 6     | 2      | 790    |
| 28            | 33       | —              | 33    | 2       | 12      | 10         | 27     | 35     | —      | 30     | 20    | —     | —     | 23     | 755    |
| 138           | 176      | 92             | 174   | 24      | 96      | 59         | 159    | 128    | 12     | 226    | 7     | 15    | 64    | 12     | 3,558  |
| 52            | 178      | 61             | 61    | 18      | 71      | 55         | 70     | 122    | —      | 44     | 38    | 5     | 5     | 18     | 2,005  |
| 31            | 39       | 48             | 42    | 20      | 55      | 38         | 40     | 58     | —      | 42     | 38    | 2     | 6     | 14     | 939    |
| 15            | 6        | 9              | 12    | 8       | 4       | 20         | 20     | 10     | 2      | 2      | 14    | 3     | 3     | —      | 373    |
| 9             | 11       | 21             | 8     | 16      | 17      | 4          | 16     | 20     | 4      | 13     | 11    | 4     | 4     | 10     | 446    |
| 341           | 384      | 453            | 447   | 83      | 266     | 379        | 427    | 760    | 6      | 341    | 164   | 27    | 56    | 64     | 7,196  |
| 27            | 35       | 32             | 18    | 5       | 22      | 36         | 25     | 48     | 1      | 33     | 10    | 4     | 2     | 5      | 919    |
| 156           | 320      | 56             | 114   | 63      | 87      | 93         | 223    | 167    | 3      | 53     | 45    | 16    | 25    | 18     | 3,048  |
| 44            | 58       | 42             | 45    | 35      | 10      | 42         | 21     | 35     | 3      | 9      | 19    | 5     | —     | 10     | 755    |
| 1             | —        | —              | 1     | —       | —       | —          | —      | 1      | 1      | 1      | 2     | 2     | —     | 1      | 45     |
| 137           | 178      | 99             | 187   | 142     | 66      | 131        | 78     | 89     | 2      | 57     | 42    | 9     | 6     | 17     | 2,618  |
| 75            | 55       | 85             | 80    | 32      | 31      | 32         | 45     | 53     | 12     | 14     | 16    | 9     | 5     | 17     | 1,332  |
| 2             | —        | —              | 3     | 2       | 4       | 3          | —      | —      | —      | 4      | 1     | —     | —     | —      | 111    |
| 63            | 48       | 24             | 24    | 9       | 36      | 35         | 38     | 17     | —      | 10     | 16    | 9     | 3     | 11     | 634    |
| 418           | 533      | 469            | 590   | 340     | 274     | 282        | 346    | 635    | 13     | 229    | 141   | 77    | 85    | 84     | 11,396 |
| —             | 3        | 1              | —     | —       | 1       | —          | 1      | —      | —      | —      | —     | 17    | 22    | 8      | 2,261  |
| 20            | 33       | 17             | 37    | 11      | 45      | 11         | 28     | 62     | —      | 8      | 9     | 2     | 12    | 4      | 1,386  |
| 38            | 97       | 24             | 38    | 6       | 54      | 39         | 70     | 102    | —      | 100    | 39    | 11    | 74    | 12     | 2,303  |
| 98            | 177      | 22             | 55    | 2       | 56      | 129        | 190    | 261    | —      | 162    | 158   | —     | 58    | 23     | 4,664  |
| —             | —        | —              | —     | —       | —       | —          | —      | —      | —      | —      | —     | —     | —     | —      | 18     |
| 14            | 11       | 13             | 5     | 4       | 9       | 4          | 12     | 24     | —      | 7      | 1     | —     | 1     | 1      | 770    |
| 44            | 27       | 23             | 22    | 46      | —       | 26         | 14     | 41     | 6      | 8      | 9     | 6     | —     | 3      | 1,111  |
| —             | —        | —              | —     | —       | —       | —          | —      | —      | —      | —      | —     | —     | —     | —      | 38     |
| 32            | 36       | 44             | 23    | 59      | 14      | 49         | 13     | 59     | 3      | 11     | 27    | 22    | 8     | 14     | 1,000  |
| —             | —        | —              | —     | —       | —       | —          | —      | —      | —      | —      | —     | —     | —     | —      | 128    |
| 272           | —        | —              | —     | —       | —       | —          | —      | —      | —      | —      | —     | —     | —     | —      | 3,885  |
| 2,393         | 2,886    | 1,872          | 2,611 | 1,091   | 1,607   | 1,673      | 2,284  | 3,600  | 143    | 1,709  | 1,231 | 434   | 577   | 469    | 67,360 |



GENERAL DISPENSARIES.

43,628 patients were treated gratis in the various Government Dispensaries during the year. The detailed attendances at each dispensary are given in the following table. The receipts for the sale of drugs at these dispensaries are detailed in the next two tables.

TABLE X.—OUT-PATIENTS TREATED GRATUITOUSLY IN THE GOVERNMENT DISPENSARIES DURING 1924.

| Dispensary.                              | Patients. | Total. | Dispensary.                | Patients. | Total. |
|--|-----------|--------|----------------------------|-----------|--------|
|  |           |        | <i>Brought forward</i> ... |           | 19,615 |
| <i>Biheira Province.</i>                 |           |        | <i>Giza Province.</i>      |           |        |
| Delingât ... ..                          | 37        |        | Barrage ... ..             | 173       |        |
| Shubrâkhît ... ..                        | 880       |        | Saff ... ..                | 488       | 661    |
| Kafr el Dawâr... ..                      | 827       |        |                            |           |        |
| Rashîd ... ..                            | 664       |        | <i>Faiyûm Province.</i>    |           |        |
| El Atf ... ..                            | 1,393     |        | Itsa ... ..                | 676       | 676    |
| Itay el Barûd ... ..                     | 1,735     |        |                            |           |        |
| Kôm Hamâda ... ..                        | 340       |        | <i>Beni Suef Province.</i> |           |        |
| Abu el Matânuir Abu Hommos Section 2 ... | 48        | 5,924  | Beba ... ..                | 31        |        |
|  |           |        | Wasta ... ..               | 1,699     | 1,730  |
| <i>Gharbiya Province.</i>                |           |        |                            |           |        |
| Bassyûn ... ..                           | 109       |        | <i>Minya Province.</i>     |           |        |
| Fouâ ... ..                              | 783       |        | Beni Mazâr ... ..          | 2,402     |        |
| Baltîm (Buroillos) ... ..                | 153       |        | Samâlôt ... ..             | 1,748     |        |
| Sherbîn ... ..                           | 2,308     |        | Abu Korkâs ... ..          | 1,056     |        |
| Bilkâs ... ..                            | 126       |        | Maghâgha... ..             | 460       |        |
| El Santa ... ..                          | 90        |        | El Fashn ... ..            | 795       | 7,661  |
| Tanta 2nd Section Kitôr .                | 90        |        |                            |           |        |
| Kafr el Zayât ... ..                     | 315       |        | <i>Assyût Province.</i>    |           |        |
| Samanûd ... ..                           | 42        |        | Manfalôt ... ..            | 522       |        |
| Mahalla el Kobra ... ..                  | 2,782     |        | Dayrût ... ..              | 688       |        |
| Talkha ... ..                            | 200       |        | Abu Tig ... ..             | 401       |        |
| Zifta ... ..                             | 311       | 3,650  | El Badâry ... ..           | 233       |        |
|  |           |        | Abnûb ... ..               | 241       | 2,085  |
| <i>Dakahliya Province.</i>               |           |        |                            |           |        |
| Fareskûr ... ..                          | 825       |        | <i>Girga Province.</i>     |           |        |
| Matariya ... ..                          | 886       |        | Aklmîm ... ..              | 1,901     |        |
| Manzala ... ..                           | 777       |        | Tima ... ..                | 731       |        |
| Simbillawein ... ..                      | 93        |        | Girga... ..                | 759       |        |
| Aga ... ..                               | 1,092     | 3,673  | El Baliana ... ..          | 666       | 4,057  |
|  |           |        |                            |           |        |
| <i>Sharqiya Province.</i>                |           |        | <i>Qena Province.</i>      |           |        |
| Tal el Kebîr ... ..                      | 34        | 34     | Koseir ... ..              | 446       |        |
|  |           |        | Luxor ... ..               | 351       |        |
| <i>Minufiya Province.</i>                |           |        | Nag hamâdy ... ..          | 1,654     |        |
| Kuesna ... ..                            | 628       |        | Dishna ... ..              | 162       |        |
| Ashmûn ... ..                            | 176       |        | Kous ... ..                | 425       | 3,038  |
| Minûf... ..                              | 921       |        |                            |           |        |
| Tala ... ..                              | 363       | 2,088  | <i>Aswân Province.</i>     |           |        |
|  |           |        | Idfu ... ..                | 91        |        |
| <i>Qalyûbia Province.</i>                |           |        | Dirr ... ..                | 103       |        |
| Tûkh ... ..                              | 492       |        | Kom Ombo ... ..            | 238       | 432    |
| Kalyûb ... ..                            | 2,820     |        |                            |           |        |
| Benha ... ..                             | 948       | 4,260  |                            |           |        |
|  |           |        |                            |           |        |
| Total ... ..                             |           | 19,615 | Total ... ..               |           | 43,628 |

TABLE XI.—RECEIPTS COLLECTED FROM THE DISPENSARIES FROM THE SALE OF DRUGS  
DURING THE YEAR 1924.

| DISPENSARY.                 | Amount collected. |        | Total.  | DISPENSARY.                 | Amount collected. |        | Total.  |
|-----------------------------|-------------------|--------|---------|-----------------------------|-------------------|--------|---------|
|                             | L.E.              | MILLS. |         |                             | L.E.              | MILLS. |         |
| <i>Biheira Province :—</i>  |                   |        |         | <i>Brought forward ...</i>  |                   |        | 181·268 |
| Delingât ... ..             | 1                 | 490    |         | <i>Beni Suef Province :</i> |                   |        |         |
| Shubrâkhît ... ..           | 1                 | 985    |         | Beba ... ..                 | 5                 | 132    |         |
| Kafr El Dawâr ...           | 2                 | 284    |         | Wasta ... ..                | 13                | 725    | 18·857  |
| Rashîd ... ..               | 11                | 433    |         |                             |                   |        |         |
| Atf ... ..                  | 7                 | 605    |         | <i>Minyia Province :—</i>   |                   |        |         |
| Ëtai el Barûd ...           | 3                 | 680    | 28·477  | Beni Mazâr ... ..           | 2                 | 771    |         |
|                             |                   |        |         | Samâlût ... ..              | 5                 | 25     |         |
| <i>Gharbîya Province :—</i> |                   |        |         | Abu Korkâs ... ..           | —                 | 840    | 8·636   |
| Bosyûn ... ..               | 6                 | 640    |         |                             |                   |        |         |
| Fiwa ... ..                 | 22                | 180    |         | <i>Assyût Province :—</i>   |                   |        |         |
| Baltîm (Buroollos)          | 7                 | 65     |         | Manfalût ... ..             | 2                 | 260    |         |
| Sherbîn ... ..              | 6                 | 795    |         | Dayrût ... ..               | 5                 | 705    |         |
| Bilkâs ... ..               | 18                | 124    |         | Abn Tig ... ..              | 4                 | 25     |         |
| Santa ... ..                | 15                | 698    | 76·502  | Badâry ... ..               | 11                | 505    |         |
|                             |                   |        |         | Abnûb ... ..                | 25                | 50     | 48·545  |
| <i>Dakahlîya Province :</i> |                   |        |         |                             |                   |        |         |
| Fareskûr ... ..             | 4                 | 265    |         | <i>Girga Province :—</i>    |                   |        |         |
| Matariya ... ..             | 22                | 910    | 27·175  | Akhmîm ... ..               | 4                 | 840    |         |
|                             |                   |        |         | Tîma ... ..                 | 4                 | 764    |         |
| <i>Shurqîya Province :—</i> |                   |        |         | Girga ... ..                | 12                | 96     |         |
| Tel el Kebîr ...            | 22                | 752    | 22·752  | Balîana... ..               | 7                 | 447    | 29·147  |
|                             |                   |        |         |                             |                   |        |         |
| <i>Minfiya Province :—</i>  |                   |        |         | <i>Qena Province :—</i>     |                   |        |         |
| Kuesna... ..                | 2                 | 738    | 2·738   | Naga Hamâdi ...             | 18                | 788    |         |
|                             |                   |        |         | Dishna ... ..               | 4                 | 832    |         |
| <i>Gîza Province :—</i>     |                   |        |         | Kûs ... ..                  | 1                 | 491    | 25·111  |
| Barrage ... ..              | 4                 | 857    |         |                             |                   |        |         |
| Saff ... ..                 | 12                | 300    | 17·157  | <i>Aswân Province :—</i>    |                   |        |         |
|                             |                   |        |         | Idfu ... ..                 | 11                | 243    |         |
| <i>Faiyûm Province :—</i>   |                   |        |         | Dirr ... ..                 | 1                 | 230    | 12·473  |
| Itsa ... ..                 | 6                 | 467    | 6·467   |                             |                   |        |         |
|                             |                   |        |         |                             |                   |        |         |
| <i>Carried forward ...</i>  |                   |        | 181·268 | TOTAL ... ..                |                   |        | 324·037 |



TABLE XII.—CHILDREN'S DISPENSARIES. ANALYSIS OF CASES DURING 1924.

| CASES.                        | Damanhúr. | Tanta. | Mansúra. | Zagazig. | Shibín<br>el Kôm. | Tûkh.  | Gíza.  | Faiyûm. | Beni Suef. | Beba.  | Wasta. | Minya. | Port Said. |
|-------------------------------|-----------|--------|----------|----------|-------------------|--------|--------|---------|------------|--------|--------|--------|------------|
| Eyes ... ..                   | —         | —      | —        | 274      | —                 | 1,179  | —      | 19      | 13         | 2,202  | 1,283  | 1,160  | —          |
| Skin ... ..                   | 545       | 933    | 1,906    | 1,351    | 1,327             | 416    | 1,214  | 592     | 1,209      | 701    | 753    | 681    | 973        |
| Ears ... ..                   | 139       | 272    | 487      | 382      | 718               | 138    | 89     | 106     | 371        | 188    | 155    | 236    | 224        |
| Chest ... ..                  | 1,265     | 1,776  | 2,565    | 1,572    | 764               | 400    | 1,309  | 838     | 1,479      | 262    | 694    | 804    | 1,479      |
| Abdomen ... ..                | 2,820     | 6,318  | 5,550    | 3,988    | 5,060             | 1,728  | 1,072  | 3,820   | 4,597      | 2,649  | 2,386  | 3,366  | 5,135      |
| Surgical ... ..               | 320       | 232    | 158      | 13       | 474               | 396    | 222    | 53      | 168        | 23     | 51     | 83     | 783        |
| General ... ..                | 493       | 218    | 2,006    | 199      | 1,209             | 929    | 169    | 219     | 344        | 41     | 376    | 836    | 172        |
| Infectious ... ..             | 161       | 68     | 34       | 27       | 27                | 515    | 114    | 39      | 127        | 13     | 5      | 5      | 33         |
| Total number of new cases...  | 5,743     | 9,817  | 12,706   | 7,806    | 9,579             | 5,701  | 4,189  | 5,686   | 8,308      | 6,079  | 5,703  | 7,171  | 8,799      |
| Number of old cases ... ..    | 7,315     | 49,381 | 35,511   | 36,237   | 50,886            | 10,761 | 23,601 | 14,095  | 30,132     | 37,900 | 27,316 | 9,918  | 29,090     |
| TOTAL ... ..                  | 13,058    | 59,198 | 48,217   | 44,043   | 60,465            | 16,462 | 27,790 | 19,781  | 38,440     | 43,979 | 33,019 | 17,089 | 37,889     |
| Number of working days ... .. | 294       | 300    | 288      | 285      | 296               | 234    | 287    | 273     | 267        | 237    | 276    | 270    | 283        |

TABLE XIII.—CHILDREN'S DISPENSARY CASES AND INTENDANCES, 1924.

| DISPENSARY.                 | New Cases. | Old Cases. | Total Attendances. | Period.             |
|-----------------------------|------------|------------|--------------------|---------------------|
| Damanhûr ... ..             | 5,743      | 7,315      | 13,058             | 294                 |
| Tanta ... ..                | 9,817      | 49,381     | 59,198             | 300                 |
| Mansûra... ..               | 12,706     | 35,511     | 48,217             | 288                 |
| Zagazîg ... ..              | 7,806      | 36,237     | 44,043             | 285                 |
| Shibîn el Kôm ... ..        | 9,579      | 50,886     | 60,465             | 296                 |
| Tûkh ... ..                 | 5,701      | 10,761     | 16,462             | 234                 |
| Gîza ... ..                 | 4,189      | 23,601     | 27,790             | 287                 |
| Faiyûm ... ..               | 5,686      | 14,095     | 19,781             | 273                 |
| Beni Suef ... ..            | 8,308      | 30,132     | 38,440             | 267                 |
| Biba ... ..                 | 6,079      | 37,900     | 43,979             | 237                 |
| Wasta ... ..                | 5,703      | 27,316     | 33,019             | 276                 |
| Minya ... ..                | 7,171      | 9,918      | 17,089             | 270                 |
| Port Saïd ... ..            | 8,799      | 29,090     | 37,889             | 283                 |
| TOTAL ... ..                | 97,287     | 362,143    | 459,430            | Average<br>276 Days |
| Total in 1924 ... ..        | 82,008     | 316,479    | 398,487            | 284 „               |
| Increase or Decrease ... .. | 15,279     | 45,664     | 60,943             | 8 „                 |

TABLE XIV.—SCHOOL OF DAYAS, STATISTICS FOR 1924.

| CASES.   | Damanhûr. | Tanta. | Mansûra. | Zagazîg. | Shibîn<br>el Kôm. | Faiyûm. | Minya. | Sohâg. | TOTAL. |
|--|-----------|--------|----------|----------|-------------------|---------|--------|--------|--------|
| Abortions ... ..                                       | 1         | 6      | 2        | 23       | 30                | 2       | 9      | 5      | 78     |
| Deliveries ... ..                                      | 567       | 491    | 480      | 618      | 678               | 349     | 327    | 97     | 3,607  |
| B.B.A. ... ..  | 25        | 5      | 24       | 23       | 141               | —       | 11     | 9      | 238    |
| Prinipara ... ..                                       | 73        | 91     | 126      | 122      | 106               | 72      | 50     | 21     | 661    |
| Abnormal comp. ... ..                                  | 17        | 9      | 13       | 68       | 10                | 15      | 15     | 5      | 152    |
| Premature births ... ..                                | 10        | 9      | 10       | 15       | 12                | 15      | 12     | 2      | 85     |
| Still-born ... ..                                      | 12        | 14     | 8        | 33       | 25                | 16      | 17     | 5      | 130    |
| Deaths { Mother ... ..                                 | —         | —      | 2        | 1        | 2                 | —       | 2      | 1      | 8      |
| { Child... ..  | 8         | 1      | 1        | 6        | 1                 | 10      | 3      | 1      | 31     |
| In-patients... ..                                      | 1         | 7      | 11       | 43       | 15                | 11      | —      | 3      | 91     |
| Total number of cases ... ..                           | 714       | 633    | 677      | 952      | 1,020             | 490     | 446    | 149    | 5,081  |
| Number of visits of matrons and<br><i>dayas</i> ... .. | 5,107     | 2,890  | 3,597    | 14,306   | 5,051             | 3,223   | 4,296  | 1,479  | 39,949 |
| Number of working days... ..                           | 278       | 276    | 318      | 318      | 310               | 222     | 334    | 133    | 274    |
| Number of <i>dayas</i> trained... ..                   | 19        | 25     | 20       | 35       | 28                | 24      | 29     | 4      | 184    |
| Number of <i>dayas</i> who passed... ..                | 19        | 25     | 20       | 34       | 27                | 21      | 28     | 4      | 178    |





4.—KASR EL AINI HOSPITAL.

FOREWORD.

The number of in-patients admitted during the year was 14,543. The following table shows the continuous increase in the number of in-patients admitted in the Hospital during the last 5 years :—

| YEAR.       | Number of In-patients. |
|-------------|------------------------|
| 1920 ... .. | 11,784                 |
| 1921 ... .. | 12,174                 |
| 1922 ... .. | 13,074                 |
| 1923 ... .. | 13,760                 |
| 1924 ... .. | 14,543                 |

The number of out-patients was 80,673, the number of attendances being 140,012. The following table gives the number of out-patients of the last 5 years :—

| YEAR.       | Number of out-patients. | Attendances. |
|-------------|-------------------------|--------------|
|             | (New Cases)             |              |
| 1920 ... .. | 119,499                 | 282,976      |
| 1921 ... .. | 106,622                 | 291,405      |
| 1922 ... .. | 122,416                 | 353,251      |
| 1923 ... .. | 88,095                  | 159,607      |
| 1924 ... .. | 80,673                  | 140,012      |

It will be seen from this table that the number of out-patients in 1923 and 1924 as compared with that in 1922 has decreased by almost one third. This was largely, as was pointed out in the report of last year, due to the charge of P.T. 2 on nearly every patient on the first as well as on each subsequent visit. It will be observed, however, that while the number of out-patients has decreased the number of in-patients has increased.

The number of operations performed in 1924 was 5576 as against 5,534 in 1923 and 5,190 in 1922.

REPORT ON THE ANTHELMINTIC SECTION.

6,304 patients attended the section this year as against 5,521 last year. The following table gives the number of patients who attended this section during the last 5 years :—

| Year.       | Number of patients. |
|-------------|---------------------|
| 1920 ... .. | 1,768               |
| 1921 ... .. | 4,188               |
| 1922 ... .. | 5,801               |
| 1923 ... .. | 5,521               |
| 1924 ... .. | 6,304               |



The following table gives the number of patients who attended during each month of this year :—

| Month.           | Number of patients. |
|------------------|---------------------|
| January ... ..   | 315                 |
| February ... ..  | 327                 |
| March ... ..     | 441                 |
| April .. ...     | 338                 |
| May ... ..       | 513                 |
| June ... ..      | 685                 |
| July .. ...      | 715                 |
| August ... ..    | 927                 |
| September ... .. | 778                 |
| October ... ..   | 531                 |
| November... ..   | 398                 |
| December... ..   | 336                 |
| TOTAL ... ..     | 6,304               |

Whenever possible, the urine and fæces of each case were examined, but while the urine of all the cases was examined only 44 per cent of the patients provided their fæces for examination. About 18 per cent of the cases were free of helminthic infection. Debilitated patients were admitted for treatment as in-patients.

The number of patients who attended daily varied a great deal, the biggest 272 (48 new and 224 old cases) was on September 1, the smallest 41 (6 and 35) on February 9.

About 13 per cent of the patients were females and 17 per cent children under 12 years.

#### BILHARZIASIS DIVISION.

3,669 cases of Bilharziasis attended the section ; of these 140 cases suffered from intestinal or both urinary and intestinal Bilharziasis while the rest were cases of pure urinary Bilharziasis.

Re-examination at the end of the course of treatment was made ; should living ova be found, extra injections were given—usually three—and the result again ascertained. Another examination was made three months after and results were usually satisfactory.

The following is an analysis of the 1st 1,000 cases who attended this year.

|                                | Total. | Men. | Women. | Children. |
|--------------------------------|--------|------|--------|-----------|
| Negative cases ... ..          | 268    | 202  | 28     | 38        |
| Positive cases ... ..          | 732    | 495  | 102    | 135       |
| Lesion :—                      |        |      |        |           |
| Urinary ... ..                 | 690    | 463  | 95     | 132       |
| Intestinal ... ..              | 32     | 25   | 5      | 2         |
| Mixed ... ..                   | 10     | 7    | 2      | 1         |
| Attendance :—                  |        |      |        |           |
| Incomplete... ..               | 220    | 143  | 27     | 50        |
| Full course... ..              | 512    | 352  | 75     | 85        |
| Results :—                     |        |      |        |           |
| Satisfactory ... ..            | 448    | 309  | 59     | 80        |
| Needed extra injections ... .. | 19     | 11   | 6      | 2         |
| Persistent Sepsis ... ..       | 33     | 24   | 6      | 3         |
| Amœbic infection ... ..        | 12     | 8    | 4      | —         |
|                                | 512    |      |        |           |

From the above, it will be seen that 73 per cent were positive; of these 94 per cent were urinary, 4 per cent intestinal and 1 per cent mixed. Of the positive cases 70 per cent completed the full course of injections (12 in number). The treatment was satisfactory in all but 4 per cent who needed extra injections; 7 per cent were satisfactory as regards the Bilharzial infection but persistent sepsis required special treatment; and about 2.5 per cent were mixed infection of Bilharziasis and amœbic dysentery and also required special treatment.

*Drugs.*—Antimony was the only drug used this year for the treatment of Bilharziasis. The sodium antimony tartarate was the salt chiefly used, but during the last 6 weeks its supply was deficient and was replaced by the potassium salt. Ever since then we had complaints from its use; it produced too much coughing, vomiting and, in some cases, fainting, besides severe inflammation in case of escape of its solution into the subcutaneous tissue. With the sodium salt these were less marked. We had one death, a man who died suddenly while waiting for the injection.

Emetine was reserved for children and others whose veins were inconspicuous.

#### ANKYLOSTOMA DIVISION.

775 cases of Ankylostomiasis infection attended the section this year. The following is an analysis of the results of examination of the fæces of 2,789 patients.

|  |              |
|--|--------------|
| Negative cases ... ..                  | 1,486        |
| Ankylostomiasis (pure or mixed) ... .. | 775          |
| Bilharziasis ... ..                    | 140          |
| Ascaris ... ..                         | 105          |
| Tænia ... ..                           | 27           |
| Oxyuris ... ..                         | 32           |
| Heterophyes ... ..                     | 22           |
| Amœbic dysenteriae ... ..              | 135          |
| Flagellates ... ..                     | 67           |
| <b>TOTAL ... ..</b>                    | <b>2,789</b> |

It is customary to give a dose of anthelmintic to every patient regardless of the subsequent result of the examination. Positive cases have their stools re-examined a week later and if positive given another dose of the anthelmintic. If a positive result persisted after three such doses of the same anthelmintic, another anthelmintic was tried and the results were usually satisfactory. Of the 775 cases of Ankylostomiasis, 139 or 18 per cent had more than one dose of anthelmintic and 41 or 5 per cent required more than three doses of the same anthelmintic and another anthelmintic was tried.

*Drugs.*—Carbon tetrachloride was chiefly used. It was given in doses of 4 c.c. for adults and 3 c.c. for children. It was given once a week on an empty stomach and followed three hours later by a saline purge.

Oleum chenopodium was used in cases where carbon tetrachloride failed after three doses.

#### IN-PATIENTS STATISTICS.

The following is an analysis of 13,977 patients discharged and died during the year 1924:—

| DISEASES AND OTHERS.               | TOTAL.        | MALE.        | FEMALE.      | DISCHARGED.  |              | DIED.      |            |
|------------------------------------|---------------|--------------|--------------|--------------|--------------|------------|------------|
|                                    |               |              |              | Male.        | Female.      | Male.      | Female.    |
| Medical ... ..                     | 4,392         | 3,492        | 900          | 3,132        | 802          | 360        | 98         |
| Surgical ... ..                    | 4,628         | 3,609        | 1,019        | 3,166        | 822          | 443        | 197        |
| Ear, Nose and Throat ... ..        | 433           | 269          | 164          | 259          | 159          | 10         | 5          |
| Ophthalmic ... ..                  | 1,319         | 797          | 522          | 796          | 522          | 1          | —          |
| Gynæcological and Obstetric ... .. | 739           | —            | 739          | —            | 711          | —          | 28         |
| Skin ... ..                        | 272           | 208          | 64           | 207          | 62           | 1          | 2          |
| Venereal ... ..                    | 437           | 372          | 65           | 371          | 65           | 1          | —          |
| Antirabic ... ..                   | 1,757         | 1,235        | 522          | 1,220        | 516          | 15         | 6          |
| <b>GRAND TOTAL ... ..</b>          | <b>13,977</b> | <b>9,982</b> | <b>3,995</b> | <b>9,151</b> | <b>3,659</b> | <b>831</b> | <b>336</b> |



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

MEDICAL IN-PATIENTS.

POISONS :—

|                            |     |     |    |     |    |    |   |
|----------------------------|-----|-----|----|-----|----|----|---|
| Acetic Acid ... ..         | 3   | 3   | —  | 3   | —  | —  | — |
| Alcohol ... ..             | 147 | 141 | 6  | 139 | 6  | 2  | — |
| Ammonia ... ..             | 2   | 2   | —  | 2   | —  | —  | — |
| Arsenic ... ..             | 1   | 1   | —  | 1   | —  | —  | — |
| Benzine Poisoning... ..    | 1   | 1   | —  | 1   | —  | —  | — |
| Booza ... ..               | 1   | 1   | —  | 1   | —  | —  | — |
| Carbolic Acid ... ..       | 30  | 26  | 4  | 25  | 3  | 1  | 1 |
| Coal Gas... ..             | 1   | 1   | —  | 1   | —  | —  | — |
| Cocaine ... ..             | 22  | 18  | 4  | 17  | 4  | 1  | — |
| Boric Acid ... ..          | 1   | —   | 1  | —   | 1  | —  | — |
| Datura ... ..              | 25  | 24  | 1  | 21  | 1  | 3  | — |
| Hashish ... ..             | 3   | 3   | —  | 3   | —  | —  | — |
| Heroin ... ..              | 8   | 8   | —  | 8   | —  | —  | — |
| Ptomaine ... ..            | 110 | 64  | 46 | 62  | 46 | 2  | — |
| Sodium Chloride ... ..     | 1   | 1   | —  | 1   | —  | —  | — |
| Iodine ... ..              | 1   | 1   | —  | 1   | —  | —  | — |
| Hyposulphate ... ..        | 1   | 1   | —  | 1   | —  | —  | — |
| Lysol ... ..               | 3   | 2   | 1  | 2   | 1  | —  | — |
| Manzool ... ..             | 96  | 85  | 11 | 83  | 11 | 2  | — |
| Mercury ... ..             | 2   | 1   | 1  | 1   | 1  | —  | — |
| Morphine ... ..            | 2   | 1   | 1  | 1   | 1  | —  | — |
| Opium ... ..               | 32  | 32  | —  | 17  | —  | 15 | — |
| Lead Sub-Acetate... ..     | 1   | 1   | —  | 1   | —  | —  | — |
| Petroleum ... ..           | 4   | 2   | 2  | 2   | 2  | —  | — |
| Nitric Acid ... ..         | 1   | 1   | —  | —   | —  | 1  | — |
| Sulphuric Acid ... ..      | 1   | 1   | —  | 1   | —  | —  | — |
| Sulphur Dioxide ... ..     | 1   | 1   | —  | 1   | —  | —  | — |
| Suspected Poisoning ... .. | 17  | 13  | 4  | 13  | 4  | —  | — |

DEFICIENCY DISEASES :—

|                 |    |    |   |    |   |   |   |
|-----------------|----|----|---|----|---|---|---|
| Pellagra ... .. | 52 | 47 | 5 | 38 | 5 | 9 | — |
|-----------------|----|----|---|----|---|---|---|

DISEASES OF METABOLISM :—

|                           |    |    |    |    |    |   |   |
|---------------------------|----|----|----|----|----|---|---|
| Diabetes Mellitus ... ..  | 67 | 56 | 11 | 48 | 11 | 8 | — |
| Diabetes Insipidus ... .. | 2  | 2  | —  | 2  | —  | — | — |

DISEASES OF THE DIGESTIVE SYSTEM :—

*Mouth* :—

|                            |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|
| Stomatitis ... ..          | 1 | 1 | — | 1 | — | — | — |
| Pyorrhia Alveolaris ... .. | 3 | 1 | 2 | 1 | 2 | — | — |

*Tonsils* :—

|                    |    |    |   |    |   |   |   |
|--------------------|----|----|---|----|---|---|---|
| Tonsillitis ... .. | 15 | 11 | 4 | 11 | 4 | — | — |
|--------------------|----|----|---|----|---|---|---|

*Pharynx* :—

|                    |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|
| Pharyngitis ... .. | 3 | 3 | — | 3 | — | — | — |
|--------------------|---|---|---|---|---|---|---|

*Oesophagus* :—

|                                |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|
| Stricture of Oesophagus ... .. | 2 | — | — | 2 | — | — | — |
|--------------------------------|---|---|---|---|---|---|---|

*Stomach* :—

|                       |    |    |    |    |    |   |   |
|-----------------------|----|----|----|----|----|---|---|
| Gastritis ... ..      | 23 | 12 | 11 | 12 | 11 | — | — |
| Dyspepsia ... ..      | 14 | 4  | 10 | 4  | 10 | — | — |
| Gastric Ulcer... ..   | 14 | 11 | 3  | 11 | 3  | — | — |
| Gastric Cancer ... .. | 6  | 4  | 2  | 2  | 2  | 2 | — |
| Gastralgia ... ..     | 2  | 1  | 1  | 1  | 1  | — | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

MEDICAL IN-PATIENTS (*continued*).

DISEASES OF THE DIGESTIVE SYSTEM (*contd.*)

*Intestines :—*

|                                       |    |    |   |    |   |   |   |
|---------------------------------------|----|----|---|----|---|---|---|
| Gastro-enteritis ... ..               | 12 | 11 | 1 | 11 | 1 | — | — |
| Enteritis... ..                       | 7  | 2  | 5 | 1  | 3 | 1 | 2 |
| Diarrhœa ... ..                       | 22 | 18 | 4 | 14 | 2 | 4 | 2 |
| Constipation ... ..                   | 2  | 2  | — | 2  | — | — | — |
| Colitis ... ..                        | 2  | 2  | — | 2  | — | — | — |
| Colic ... ..                          | 18 | 17 | 1 | 17 | 1 | — | — |
| Duodenal Ulcer ... ..                 | 3  | 3  | — | 3  | — | — | — |
| Chronic Intestinal Obstruction ... .. | 2  | 1  | 1 | 1  | 1 | — | — |
| Appendicitis ... ..                   | 3  | 3  | — | 2  | — | 1 | — |

*Pancreas :—*

|                 |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|
| Carcinoma .. .. | 1 | 1 | — | — | — | 1 | — |
|-----------------|---|---|---|---|---|---|---|

*Liver :—*

|                               |    |    |    |    |    |   |   |
|-------------------------------|----|----|----|----|----|---|---|
| Hepatitis ... ..              | 8  | 6  | 2  | 6  | 2  | — | — |
| Carcinoma ... ..              | 7  | 6  | 1  | 5  | 1  | 1 | — |
| Jaundice ... ..               | 43 | 32 | 11 | 27 | 10 | 5 | 1 |
| Cholecystitis ... ..          | 4  | 2  | 2  | 2  | 2  | — | — |
| Biliary colic ... ..          | 2  | 2  | —  | 2  | —  | — | — |
| Cancer of Gall Bladder ... .. | 1  | —  | 1  | —  | —  | — | 1 |

|                                    |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|
| <i>Abdominal Tumours...</i> ... .. | 3 | 2 | 1 | 2 | 1 | — | — |
|------------------------------------|---|---|---|---|---|---|---|

|                        |    |   |   |   |   |   |   |
|------------------------|----|---|---|---|---|---|---|
| <i>Ascites...</i> .... | 11 | 9 | 2 | 9 | 2 | — | — |
|------------------------|----|---|---|---|---|---|---|

|                                 |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|
| <i>Tabes Mesenterica</i> ... .. | 1 | — | 1 | — | 1 | — | — |
|---------------------------------|---|---|---|---|---|---|---|

SPECIFIC INFECTIOUS DISEASES.

*Bacterial Diseases :—*

|                                 |     |     |    |     |    |    |    |
|---------------------------------|-----|-----|----|-----|----|----|----|
| Typhoid ... ..                  | 17  | 15  | 2  | 12  | 2  | 3  | —  |
| Paratyphoid ... ..              | 4   | 4   | —  | 4   | —  | —  | —  |
| Diphtheria ... ..               | 1   | 1   | —  | 1   | —  | —  | —  |
| Influenza ... ..                | 132 | 97  | 35 | 97  | 35 | —  | —  |
| Broncho-pneumonia ... ..        | 59  | 51  | 8  | 43  | 4  | 8  | 4  |
| Lobar Pneumonia ... ..          | 55  | 46  | 9  | 29  | 5  | 17 | 4  |
| Generalised tuberculosis ... .. | 2   | 2   | —  | —   | —  | 2  | —  |
| Pulmonary tuberculosis ... ..   | 306 | 253 | 53 | 186 | 38 | 67 | 15 |
| Tubercular peritonitis ... ..   | 45  | 32  | 13 | 23  | 11 | 9  | 2  |
| Bacillary Dysentery ... ..      | 2   | 2   | —  | 1   | —  | 1  | —  |
| Whooping Cough ... ..           | 3   | 1   | 2  | 1   | 2  | —  | —  |

*Protozoal Diseases :—*

|                          |    |    |    |    |    |   |   |
|--------------------------|----|----|----|----|----|---|---|
| Amœbic dysentery ... ..  | 15 | 12 | 3  | 10 | 3  | 2 | — |
| Malaria ... ..           | 23 | 21 | 2  | 21 | 2  | — | — |
| Chronic Dysentery ... .. | 82 | 69 | 13 | 60 | 10 | 9 | 3 |

*Metazoal Diseases :—*

|  |     |     |    |    |    |   |   |
|--|-----|-----|----|----|----|---|---|
| Urinary Bilharziasis ... ..            | 52  | 42  | 10 | 39 | 10 | 3 | — |
| Intestinal Bilharziasis ... ..         | 108 | 102 | 6  | 96 | 5  | 6 | 1 |
| Urinary and Intestinal Bilharziasis... | 46  | 42  | 4  | 40 | 4  | 2 | — |

*Nematodes :—*

|                                  |     |     |    |     |    |   |   |
|----------------------------------|-----|-----|----|-----|----|---|---|
| Ankylostoma ... ..               | 119 | 106 | 13 | 103 | 13 | 3 | — |
| Ankylostoma and Bilharzia ... .. | 126 | 118 | 8  | 112 | 8  | 6 | — |
| Strongyloides... ..              | 1   | —   | 1  | —   | 1  | — | — |

*Infectious Diseases of Doubtful*

*Ætiology :—*

|                                    |     |     |    |     |    |    |   |
|------------------------------------|-----|-----|----|-----|----|----|---|
| Endemic Splenomegaly and Cirrhosis | 275 | 211 | 64 | 200 | 58 | 11 | 6 |
| Suspected Fever ... ..             | 6   | 4   | 2  | 2   | 2  | 2  | — |



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

MEDICAL IN-PATIENTS (*continued*).

SPECIFIC INFECTIOUS DISEASES (*contd.*):—

*Infectious Diseases of Doubtful  
Aetiology (contd.):—*

|                              |    |    |    |    |    |   |   |
|------------------------------|----|----|----|----|----|---|---|
| Rheumatic fever ... ..       | 54 | 39 | 15 | 38 | 15 | 1 | — |
| Scarlet fever ... ..         | 1  | —  | 1  | —  | 1  | — | — |
| Measles ... ..               | 1  | —  | 1  | —  | 1  | — | — |
| Typhus ... ..                | 1  | 1  | —  | 1  | —  | — | — |
| Small Pox ... ..             | 2  | 2  | —  | 2  | —  | — | — |
| Rheumatic Torticollis ... .. | 1  | 1  | —  | 1  | —  | — | — |

DISEASES OF THE RESPIRATORY SYSTEM :—

|                                       |     |     |    |     |    |    |   |
|---------------------------------------|-----|-----|----|-----|----|----|---|
| Laryngitis ... ..                     | 2   | 1   | 1  | 1   | 1  | —  | — |
| Laryngismus Stridulous ... ..         | 1   | 1   | —  | 1   | —  | —  | — |
| Bronchitis ... ..                     | 208 | 174 | 34 | 163 | 31 | 11 | 3 |
| Asthma ... ..                         | 18  | 15  | 3  | 15  | 3  | —  | — |
| Bronchiectasis ... ..                 | 3   | 3   | —  | 2   | —  | 1  | — |
| Emphysema ... ..                      | 36  | 35  | 1  | 28  | 1  | 7  | — |
| Chronic Interstitial Pneumonia ... .. | 3   | 2   | 1  | 2   | 1  | —  | — |
| Pleurisy ... ..                       | 31  | 24  | 7  | 23  | 7  | 1  | — |
| Empyæma ... ..                        | 4   | 2   | 2  | —   | 1  | 2  | 1 |
| Mediastinal Tumour ... ..             | 4   | 1   | 3  | 1   | 3  | —  | — |
| Sarcoma of Lung ... ..                | 1   | 1   | —  | —   | —  | 1  | — |

DISEASES OF THE URINARY SYSTEM :—

|                              |     |     |    |     |    |    |    |
|------------------------------|-----|-----|----|-----|----|----|----|
| Nephritis ... ..             | 237 | 190 | 47 | 148 | 34 | 42 | 13 |
| Pyelitis ... ..              | 14  | 11  | 3  | 11  | 3  | —  | —  |
| Renal colic ... ..           | 113 | 107 | 6  | 107 | 6  | —  | —  |
| Renal calculus ... ..        | 6   | 4   | 2  | 4   | 2  | —  | —  |
| Cystitis ... ..              | 5   | 3   | 2  | 3   | 1  | —  | 1  |
| Pyonephrosis ... ..          | 4   | 3   | 1  | 1   | —  | 2  | 1  |
| Uraemia ... ..               | 5   | 3   | 2  | —   | —  | 3  | 2  |
| Amyloid Kidney ... ..        | 1   | —   | 1  | —   | 1  | —  | —  |
| Bacilluria ... ..            | 1   | 1   | —  | 1   | —  | —  | —  |
| Orchitis ... ..              | 2   | 2   | —  | 2   | —  | —  | —  |
| Floating Kidney ... ..       | 2   | —   | 2  | —   | 2  | —  | —  |
| Albuminuric retinitis ... .. | 1   | 1   | —  | 1   | —  | —  | —  |

DISEASES OF THE BLOOD :—

|                            |    |    |    |    |    |   |   |
|----------------------------|----|----|----|----|----|---|---|
| Anæmia ... ..              | 36 | 23 | 13 | 22 | 13 | 1 | — |
| Hodgkin's Disease ... ..   | 4  | 2  | 2  | 1  | 2  | 1 | — |
| Myelocytic Leukæmia ... .. | 2  | 1  | 1  | 1  | 1  | — | — |
| Lymphatic ... ..           | 1  | 1  | —  | 1  | —  | — | — |
| Purpura ... ..             | 5  | 3  | 2  | 3  | 1  | — | 1 |
| Serum Disease ... ..       | 1  | —  | 1  | —  | 1  | — | — |
| Hæmoglobinuria ... ..      | 1  | 1  | —  | 1  | —  | — | — |
| Venous Thrombosis ... ..   | 1  | 1  | —  | 1  | —  | — | — |

DISEASES OF THE CIRCULATORY SYSTEM :—

*Heart :—*

|                               |    |    |    |    |    |    |   |
|-------------------------------|----|----|----|----|----|----|---|
| Pericarditis ... ..           | 3  | 1  | 2  | 1  | 1  | —  | 1 |
| Myocarditis ... ..            | 2  | 2  | —  | 2  | —  | —  | — |
| Mild Angina Pectoris ... ..   | 1  | —  | 1  | —  | 1  | —  | — |
| Extrasystole ... ..           | 1  | 1  | —  | 1  | —  | —  | — |
| Heart Block ... ..            | 1  | 1  | —  | 1  | —  | —  | — |
| Auricular fibrillation ... .. | 23 | 11 | 12 | 11 | 9  | —  | 3 |
| Heart Failure ... ..          | 88 | 66 | 22 | 49 | 20 | 17 | 2 |
| Mitral stenosis ... ..        | 9  | 6  | 3  | 6  | 3  | —  | — |
| Mitral regurgitation ... ..   | 28 | 17 | 11 | 16 | 11 | 1  | — |
| Double Mitral ... ..          | 54 | 38 | 16 | 35 | 14 | 3  | 2 |

STATISTICS IN-PATIENTS (continued).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

MEDICAL IN-PATIENTS (continued).

DISEASES OF THE CIRCULATORY SYSTEM  
(contd.) :—

Heart (contd.) :—

|                               |    |    |   |   |   |   |   |
|-------------------------------|----|----|---|---|---|---|---|
| Malignant endocarditis ... .. | 1  | —  | 1 | — | 1 | — | — |
| Paroxysmal tachycardia ... .. | 1  | —  | 1 | — | 1 | — | — |
| Aortie stenosis ... ..        | 1  | 1  | — | 1 | — | — | — |
| Aortie regurgitation ... ..   | 10 | 10 | — | 8 | — | 2 | — |
| Double aortie ... ..          | 7  | 6  | 1 | 3 | — | 3 | 1 |

DISEASES OF THE NERVOUS SYSTEM :—

Brain :—

|  |     |    |    |    |    |    |   |
|--|-----|----|----|----|----|----|---|
| Mental Diseases ... ..                 | —   | —  | —  | —  | —  | —  | — |
| Neurasthenia ... ..                    | 4   | 4  | —  | 4  | —  | —  | — |
| Hysteria ... ..                        | 17  | 5  | 12 | 5  | 12 | —  | — |
| Insomnia ... ..                        | 2   | 2  | —  | 2  | —  | —  | — |
| Headache ... ..                        | 1   | 1  | —  | 1  | —  | —  | — |
| Epilepsy ... ..                        | 17  | 17 | —  | 17 | —  | —  | — |
| Neurosis... ..                         | 2   | 2  | —  | 2  | —  | —  | — |
| Jaksonian Epilepsy ... ..              | 2   | 2  | —  | 2  | —  | —  | — |
| General Paralysis of the Insane ... .. | 3   | 3  | —  | 3  | —  | —  | — |
| Cerebral Hæmorrhage ... ..             | 17  | 16 | 1  | 3  | —  | 13 | 1 |
| Hemiplegia ... ..                      | 117 | 84 | 33 | 81 | 28 | 3  | 5 |
| Monoplegia ... ..                      | 10  | 9  | 1  | 9  | 1  | —  | — |
| Aphasia ... ..                         | 4   | 1  | 3  | 1  | 2  | —  | 1 |
| Encephalitis ... ..                    | 35  | 30 | 5  | 30 | 3  | —  | 2 |
| Cerebellar Tumour ... ..               | 5   | 5  | —  | 5  | —  | —  | — |
| Cerebral Tumour ... ..                 | 1   | 1  | —  | —  | —  | 1  | — |
| Bulbar Paralysis ... ..                | 1   | 1  | —  | 1  | —  | —  | — |
| Paralysis Agitans ... ..               | 7   | 6  | 1  | 6  | 1  | —  | — |
| Chorea ... ..                          | 10  | 5  | 5  | 5  | 5  | —  | — |
| Optic Atrophy ... ..                   | 1   | 1  | —  | 1  | —  | —  | — |
| Meningitis ... ..                      | 5   | 3  | 2  | 2  | 1  | 1  | 1 |

Spinal Cord :—

|                                      |    |    |   |    |   |   |   |
|--------------------------------------|----|----|---|----|---|---|---|
| Myelitis ... ..                      | 38 | 32 | 6 | 30 | 6 | 2 | — |
| Paraplegia ... ..                    | 23 | 15 | 8 | 13 | 8 | 2 | — |
| Tabes Dorsalis ... ..                | 6  | 6  | — | 5  | — | 1 | — |
| Syringo-Myelia ... ..                | 4  | 3  | 1 | 3  | 1 | — | — |
| Amyotrophic Lateral Sclerosis ... .. | 3  | 3  | — | 3  | — | — | — |
| Progressive Muscular Atrophy ... ..  | 1  | 1  | — | 1  | — | — | — |
| Dessiminated Sclerosis... ..         | 1  | 1  | — | 1  | — | — | — |
| Anterior Poliomyelitis ... ..        | 6  | 3  | 3 | 3  | 3 | — | — |

Nerves :—

|                                 |    |    |   |    |   |   |   |
|---------------------------------|----|----|---|----|---|---|---|
| Neuritis ... ..                 | 14 | 13 | 1 | 13 | 1 | — | — |
| Facial Paralysis ... ..         | 17 | 14 | 3 | 14 | 3 | — | — |
| Neuralgia ... ..                | 4  | 4  | — | 4  | — | — | — |
| Sciatica ... ..                 | 15 | 14 | 1 | 14 | 1 | — | — |
| Musculo-spinal Paralysis ... .. | 1  | 1  | — | 1  | — | — | — |

DISEASES OF THE LOCOMOTORY SYSTEM :—

|  |    |    |    |    |   |   |   |
|--|----|----|----|----|---|---|---|
| Psoudo-hypertrophic Muscular Paralysis... .. | 8  | 8  | —  | 8  | — | — | — |
| Erb's Guvenile Muscular Dystrophy...         | 2  | 2  | —  | 2  | — | — | — |
| Myositis ... ..                              | 3  | 2  | 1  | 2  | 1 | — | — |
| Fibrositis ... ..                            | 2  | 2  | —  | 2  | — | — | — |
| Lumbago ... ..                               | 4  | 3  | 1  | 3  | 1 | — | — |
| Rheumatoid Arthritis ... ..                  | 38 | 28 | 10 | 28 | 9 | — | 1 |
| Charcot's Disease ... ..                     | 2  | 2  | —  | 2  | — | — | — |



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

MEDICAL IN-PATIENTS (*continued*)

MISCELLANEOUS DISEASES :—

|                              |     |     |    |     |    |    |   |
|------------------------------|-----|-----|----|-----|----|----|---|
| Electric Shock ... ..        | 1   | 1   | —  | 1   | —  | —  | — |
| Drowned ... ..               | 3   | 2   | 1  | 2   | 1  | —  | — |
| Senility and Debility ... .. | 79  | 52  | 27 | 27  | 19 | 25 | 8 |
| Marasmus ... ..              | 6   | —   | 6  | —   | 3  | —  | 3 |
| Premature Baby ... ..        | 1   | —   | 1  | —   | 1  | —  | — |
| Scorpion Sting ... ..        | 222 | 126 | 96 | 123 | 94 | 3  | 2 |
| Snake bite ... ..            | 8   | 4   | 4  | 3   | 4  | 1  | — |
| Under observation ... ..     | 28  | 27  | 1  | 27  | 1  | —  | — |
| Malingerer ... ..            | 4   | 4   | —  | 4   | —  | —  | — |
| Lodger ... ..                | 7   | —   | 7  | —   | 7  | —  | — |

SURGICAL IN-PATIENTS.

SPECIFIC INFECTIONS :—

|                           |    |    |   |    |   |   |   |
|---------------------------|----|----|---|----|---|---|---|
| Syphilis ... ..           | 3  | 3  | — | 3  | — | — | — |
| Tubercular Abscess ... .. | 20 | 14 | 6 | 14 | 6 | — | — |
| Tubercular Ulcer ... ..   | 1  | —  | 1 | —  | 1 | — | — |
| Leishmaniasis ... ..      | 4  | 3  | 1 | 3  | 1 | — | — |
| Madura Foot... ..         | 4  | 4  | — | 4  | — | — | — |
| Granuloma ... ..          | 1  | 1  | — | 1  | — | — | — |
| Actinomycosis ... ..      | 1  | 1  | — | 1  | — | — | — |

NON-SPECIFIC INFECTIONS :—

|                          |     |     |     |    |    |    |    |
|--------------------------|-----|-----|-----|----|----|----|----|
| Cancrum Oris... ..       | 4   | 3   | 1   | 2  | —  | 1  | 1  |
| Perforating Ulcer ... .. | 5   | 4   | 1   | 4  | 1  | —  | —  |
| Carbuncle ... ..         | 10  | 8   | 2   | 8  | —  | —  | 2  |
| Gangrene of Limbs ... .. | 20  | 15  | 5   | 4  | 3  | 11 | 2  |
| Sinus ... ..             | 6   | 1   | 5   | 1  | 4  | —  | 1  |
| Burns and Scalds ... ..  | 266 | 125 | 141 | 70 | 51 | 55 | 90 |

DEFORMITIES :—

|                                |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|
| Hare Lip ... ..                | 4 | — | 4 | — | 4 | — | — |
| Spina Bifida ... ..            | 5 | — | 5 | — | 5 | — | — |
| Genu Varum ... ..              | 1 | — | 1 | — | 1 | — | — |
| „ Vulgum ... ..                | 3 | 3 | — | 3 | — | — | — |
| Talipes equino varus ... ..    | 6 | 1 | 5 | 1 | 5 | — | — |
| Hypospadias ... ..             | 4 | 4 | — | 4 | — | — | — |
| Imperforate Anus... ..         | 8 | — | 8 | — | 6 | — | 2 |
| Duputreyn's Contraction ... .. | 1 | 1 | — | 1 | — | — | — |

TUMOURS :—

|                       |    |    |   |    |   |   |   |
|-----------------------|----|----|---|----|---|---|---|
| Fibroma ... ..        | 2  | —  | 2 | —  | 2 | — | — |
| Lipoma ... ..         | 18 | 12 | 6 | 12 | 6 | — | — |
| Neurofibroma ... ..   | 4  | 4  | — | 4  | — | — | — |
| Sarcoma ... ..        | 14 | 11 | 3 | 8  | 3 | 3 | — |
| Epithelioma ... ..    | 5  | 4  | 1 | 3  | 1 | 1 | — |
| Rodent Ulcer... ..    | 15 | 15 | — | 15 | — | — | — |
| Teratoma ... ..       | 1  | —  | 1 | —  | 1 | — | — |
| Sebacious cyst ... .. | 2  | —  | 2 | —  | 2 | — | — |
| Dermoid cyst... ..    | 4  | 3  | 1 | 3  | 1 | — | — |

Scars :—

|                        |    |   |   |   |   |   |   |
|------------------------|----|---|---|---|---|---|---|
| Contracted Scar ... .. | 11 | 5 | 6 | 4 | 6 | 1 | — |
| Keloid ... ..          | 2  | 1 | 1 | 1 | 1 | — | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |
|                      |        |       |         |             |         |       |         |

SURGICAL IN-PATIENTS (*continued*).

DISEASES OF THE BLOOD VESSELS :—

|                            |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|
| Varicose Veins ... ..      | 6 | 6 | — | 6 | — | — | — |
| Ulcers (Varicose) ... ..   | 5 | 4 | 1 | 4 | 1 | — | — |
| Thrombosis of Veins ... .. | 4 | 2 | 2 | 2 | 2 | — | — |
| Phlebitis... ..            | 3 | 2 | 1 | 2 | 1 | — | — |

DISEASES OF MUSCLES AND TENDONS :—

|                                    |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|
| Myositis ... ..                    | 8 | 6 | 2 | 6 | 2 | — | — |
| Volkman's Ischæmic Contracture ... | 2 | 2 | — | 2 | — | — | — |
| Duputryen's Contracture ... ..     | 1 | 1 | — | 1 | — | — | — |
| Infantile Paralysis ... ..         | 3 | 2 | 1 | 2 | 1 | — | — |
| Tenosynovitis ... ..               | 2 | — | 2 | — | 2 | — | — |
| Cut Tendons ... ..                 | 5 | 5 | — | 5 | — | — | — |
| Ganglion... ..                     | 1 | 1 | — | 1 | — | — | — |
| Fibro Sarcoma of Muscle ... ..     | 1 | 1 | — | 1 | — | — | — |

DISEASES OF HEAD :—

*Cranium Injuries* :—

|                           |    |    |    |    |   |    |   |
|---------------------------|----|----|----|----|---|----|---|
| Fissured Fractures ... .. | 17 | 13 | 4  | 10 | 2 | 3  | 2 |
| Depressed Fracture ... .. | 69 | 54 | 15 | 33 | 8 | 21 | 7 |
| Fractured Base ... ..     | 54 | 39 | 15 | 14 | 6 | 25 | 9 |

*Brain* :—

|                        |     |    |    |    |    |    |    |
|------------------------|-----|----|----|----|----|----|----|
| Meningocele ... ..     | 4   | —  | 4  | —  | 3  | —  | 1  |
| Tumour of Brain ... .. | 2   | —  | 2  | —  | 2  | —  | —  |
| Concussion ... ..      | 107 | 74 | 33 | 62 | 22 | 12 | 11 |
| Laceration ... ..      | 1   | —  | 1  | —  | —  | —  | 1  |
| Compression ... ..     | 9   | 8  | 1  | 1  | —  | 7  | 1  |

DISEASES OF FACE :—

|                        |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|
| Tumour of Orbit ... .. | 5 | 5 | — | 3 | — | 2 | — |
| Angioma... ..          | 8 | 5 | 3 | 5 | 3 | — | — |

*Lip* :—

|                           |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|
| Hare Lip... ..            | 4 | — | 4 | — | 4 | — | — |
| Epithelioma of Lip ... .. | 3 | 3 | — | 3 | — | — | — |

*Jaw* :—

|                                   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|
| Epulis of Upper Jaw ... ..        | 2 | — | 2 | — | 2 | — | — |
| Sarcoma of Upper Jaw ... ..       | 2 | — | 2 | — | 2 | — | — |
| Other Tumours of Upper Jaw ... .. | 7 | 5 | 2 | 5 | 2 | — | — |
| Epulis of Lower Jaw ... ..        | 2 | 1 | 1 | 1 | 1 | — | — |
| Sarcoma of Lower Jaw ... ..       | 2 | 2 | — | 2 | — | — | — |
| Other Tumours of Lower Jaw ... .. | 3 | 2 | 1 | 2 | 1 | — | — |

*Cheek and Gums* :—

|                         |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|
| Tumour of Cheek ... ..  | 5 | 4 | 1 | 4 | 1 | — | — |
| Dental Ulcer ... ..     | 1 | 1 | — | 1 | — | — | — |
| Alveolar Abscess ... .. | 1 | 1 | — | 1 | — | — | — |

*Tongue* :—

|                          |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|
| Glossitis ... ..         | 1 | 1 | — | 1 | — | — | — |
| Cancer of Tongue ... ..  | 9 | 7 | 2 | 6 | 2 | 1 | — |
| Sarcoma of Tongue ... .. | 1 | — | 1 | — | 1 | — | — |

*Palate* :—

|                         |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|
| Perforated Palate... .. | 1 | — | 1 | — | 1 | — | — |
|-------------------------|---|---|---|---|---|---|---|

*Floor of Mouth* :—

|               |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|
| Ranula ... .. | 4 | 1 | 3 | 1 | 3 | — | — |
|---------------|---|---|---|---|---|---|---|



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|---------------------|--------|-------|---------|-------------|---------|-------|---------|
|                     |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

DISEASES OF FACE (*contd.*):—

*Salivary Glands*:—

|                                  |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|
| Salivary Fistula ... ..          | 3 | 2 | 1 | 2 | 1 | — | — |
| Tumours of Salivary Gland ... .. | 6 | 2 | 4 | 2 | 3 | — | 1 |

DISEASES OF NECK:—

|                              |    |   |    |   |    |   |   |
|------------------------------|----|---|----|---|----|---|---|
| Goitre ... ..                | 37 | 7 | 30 | 6 | 28 | 1 | 2 |
| Ex-ophthalmic Goitre ... ..  | 3  | 1 | 2  | 1 | 2  | — | — |
| Thyro-Glossal Fistula ... .. | 1  | 1 | —  | 1 | —  | — | — |

DISEASES OF CHEST:—

|                                    |    |    |   |    |   |   |   |
|------------------------------------|----|----|---|----|---|---|---|
| Contusion of Chest wall ... ..     | 7  | 6  | 1 | 6  | 1 | — | — |
| Fractured ribs ... ..              | 50 | 44 | 6 | 42 | 5 | 2 | 1 |
| Incised wound of chest wall ... .. | 1  | 1  | — | 1  | — | — | — |
| Penetrating wounds ... ..          | 20 | 18 | 2 | 16 | 1 | 2 | 1 |
| Ruptured lung ... ..               | 1  | 1  | — | —  | — | 1 | — |
| Empyema ... ..                     | 19 | 17 | 2 | 11 | 1 | 6 | 1 |

DISEASES OF ABDOMEN:—

|                                       |    |    |   |    |   |    |   |
|---------------------------------------|----|----|---|----|---|----|---|
| Contused wounds ... ..                | 3  | 3  | — | 3  | — | —  | — |
| Incised wounds of abdomen wall ...    | 6  | 2  | 4 | 2  | 4 | —  | — |
| Penetrating wounds ... ..             | 8  | 7  | 1 | 4  | 1 | 3  | — |
| Ruptured Liver ... ..                 | 11 | 8  | 3 | 1  | — | 7  | 3 |
| „ Spleen ... ..                       | 5  | 5  | — | 1  | — | 4  | — |
| „ Intestine ... ..                    | 5  | 4  | 1 | —  | 1 | 4  | — |
| Gastric Ulcer ... ..                  | 1  | 1  | — | 1  | — | —  | — |
| Duodenal Ulcer ... ..                 | 2  | 2  | — | —  | — | 2  | — |
| Acute Intestinal Obstruction ... ..   | 16 | 14 | 2 | 3  | 1 | 11 | 1 |
| Chronic Intestinal Obstruction ... .. | 4  | 3  | 1 | 3  | 1 | —  | — |
| Acute Appendicitis ... ..             | 22 | 18 | 4 | 15 | 4 | 3  | — |
| Chronic Appendicitis ... ..           | 15 | 12 | 3 | 12 | 3 | —  | — |
| Appendicular Abscess ... ..           | 10 | 8  | 2 | 6  | 2 | 2  | — |
| Acute Peritonitis ... ..              | 7  | 4  | 3 | 1  | 2 | 3  | 1 |
| Tubercular Peritonitis ... ..         | 2  | 1  | 1 | 1  | 1 | —  | — |
| Tubercular Cæcum ... ..               | 1  | —  | 1 | —  | 1 | —  | — |
| Cancer of Intestine ... ..            | 3  | 3  | — | 2  | — | 1  | — |
| Bilharziasis of Intestine ... ..      | 1  | 1  | — | —  | — | 1  | — |
| Endemic Splenomegaly ... ..           | 24 | 17 | 7 | 16 | 6 | 1  | 1 |
| Malignant Tumour of Spleen ... ..     | 2  | 2  | — | 2  | — | —  | — |
| Liver Abscess ... ..                  | 12 | 11 | 1 | 7  | 1 | 4  | — |
| Hydatid of Liver ... ..               | 1  | —  | 1 | —  | 1 | —  | — |
| Hepatitis ... ..                      | 3  | 3  | — | 2  | — | 1  | — |
| Cancer of Pancreas ... ..             | 2  | —  | 2 | —  | — | —  | 2 |
| Cholecystitis ... ..                  | 5  | 5  | — | 5  | — | —  | — |
| Gall Stones ... ..                    | 1  | —  | 1 | —  | 1 | —  | — |
| Gumma of Liver ... ..                 | 1  | —  | 1 | —  | 1 | —  | — |
| Tubercular Masses of Abdomen ... ..   | 5  | 3  | 2 | 3  | 2 | —  | — |
| Fistulæ of Abdomen Wall ... ..        | 5  | 4  | 1 | 4  | 1 | —  | — |
| Sinus of Abdomen Wall ... ..          | 3  | 2  | 1 | 2  | 1 | —  | — |
| Retroperitoneal Sarcoma ... ..        | 3  | 2  | 1 | 1  | 1 | 1  | — |
| Suspected Tumours of Abdomen ... ..   | 8  | 4  | 4 | 4  | 3 | —  | 1 |
| Dermoid of Abdomen Wall ... ..        | 1  | 1  | — | 1  | — | —  | — |
| Inflamed Umbilicus ... ..             | 1  | 1  | — | 1  | — | —  | — |

*Hernia*:—

|                                    |     |     |   |     |   |   |   |
|------------------------------------|-----|-----|---|-----|---|---|---|
| Inguinal Hernia ... ..             | 368 | 367 | 1 | 362 | 1 | 5 | — |
| Recurrent Inguinal Hernia ... ..   | 11  | 11  | — | 11  | — | — | — |
| Irreducible Inguinal Hernia ... .. | 21  | 19  | 2 | 18  | 2 | 1 | — |
| Sliding Inguinal Hernia ... ..     | 2   | 2   | — | 2   | — | — | — |
| Direct Inguinal Hernia ... ..      | 3   | 3   | — | 3   | — | — | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

DISEASES OF ABDOMEN (*contd.*):—

*Hernia* (*contd.*):—

|                                      |    |    |    |    |    |   |   |
|--------------------------------------|----|----|----|----|----|---|---|
| Obstructed Inguinal Hernia ... ..    | 5  | 5  | —  | 5  | —  | — | — |
| Strangulated Inguinal Hernia ... ..  | 57 | 55 | 2  | 46 | 1  | 9 | 1 |
| Femoral Hernia ... ..                | 3  | 3  | —  | 3  | —  | — | — |
| Umbilical Hernia ... ..              | 6  | 2  | 4  | 1  | 4  | 1 | — |
| Strangulated Umbilical Hernia ... .. | 1  | 1  | —  | 1  | —  | — | — |
| Ventral Hernia ... ..                | 36 | 16 | 20 | 16 | 19 | — | 1 |
| Irreducible Ventral Hernia... ..     | 1  | —  | 1  | —  | —  | — | 1 |
| Incisional Hernia ... ..             | 2  | 1  | 1  | 1  | 1  | — | — |

*Colon Rectum and Anus*:—

|                                   |    |    |   |    |   |   |   |
|-----------------------------------|----|----|---|----|---|---|---|
| Colitis ... ..                    | 2  | 2  | — | 2  | — | — | — |
| Bilharzial Masses of Colon ... .. | 3  | 3  | — | 3  | — | — | — |
| Wounds of Rectum ... ..           | 1  | 1  | — | 1  | — | — | — |
| Bilharzia of Rectum ... ..        | 22 | 19 | 3 | 18 | 3 | 1 | — |
| Prolapse of Rectum ... ..         | 17 | 15 | 2 | 14 | 2 | 1 | — |
| Stricture of Rectum ... ..        | 3  | 3  | — | 3  | — | — | — |
| Cancer of Rectum... ..            | 9  | 8  | 1 | 5  | 1 | 3 | — |

*Piles*:—

|                                  |     |     |    |     |    |   |   |
|----------------------------------|-----|-----|----|-----|----|---|---|
|                                  | 192 | 177 | 15 | 176 | 15 | 1 | — |
| Piles with Prolapse ... ..       | 4   | 4   | —  | 4   | —  | — | — |
| „ „ Fistula ... ..               | 19  | 19  | —  | 19  | —  | — | — |
| „ „ Anal Fissure ... ..          | 4   | 2   | 2  | 2   | 2  | — | — |
| Inperforate Anus ... ..          | 8   | —   | 8  | —   | 6  | — | 2 |
| Atresia of Anus ... ..           | 2   | —   | 2  | —   | 2  | — | — |
| Anal Abscess... ..               | 10  | 10  | —  | 10  | —  | — | — |
| Anal Fissure ... ..              | 9   | 9   | —  | 9   | —  | — | — |
| Anal Fistula ... ..              | 63  | 60  | 3  | 58  | 3  | 2 | — |
| Ischio-rectal Abscess ... ..     | 17  | 16  | 1  | 15  | 1  | 1 | — |
| Pruritis Ani ... ..              | 1   | 1   | —  | 1   | —  | — | — |
| Traumatic Fissure of Anus... ..  | 1   | 1   | —  | 1   | —  | — | — |
| Ruptured Perineum ... ..         | 1   | —   | 1  | —   | 1  | — | — |
| Condyloma of Anus ... ..         | 1   | 1   | —  | 1   | —  | — | — |
| Sinus of Coccygeal Region ... .. | 1   | 1   | —  | 1   | —  | — | — |

*Genito-Urinary*:—

|                                |     |     |    |     |    |   |   |
|--------------------------------|-----|-----|----|-----|----|---|---|
| Kidney ... ..                  | —   | —   | —  | —   | —  | — | — |
| Renal Colic ... ..             | 2   | 2   | —  | 2   | —  | — | — |
| Renal Calculus ... ..          | 14  | 13  | 1  | 13  | 1  | — | — |
| Pyelitis ... ..                | 6   | 5   | 1  | 5   | 1  | — | — |
| Hydronephrosis ... ..          | 14  | 12  | 2  | 8   | 1  | 4 | 1 |
| Pyonephrosis ... ..            | 24  | 21  | 3  | 17  | 2  | 4 | 1 |
| Perinephric Abscess ... ..     | 9   | 8   | 1  | 6   | 1  | 2 | — |
| Sarcoma of Kidney ... ..       | 1   | —   | 1  | —   | 1  | — | — |
| Other Tumours of Kidney ... .. | 1   | 1   | —  | 1   | —  | — | — |
| Tubercular Kidney ... ..       | 1   | 1   | —  | 1   | —  | — | — |
| Perinephric Tumour ... ..      | 1   | 1   | —  | 1   | —  | — | — |
| Urinary Bilharziasis ... ..    | 15  | 14  | 1  | 12  | 1  | 2 | — |
| Ureter ... ..                  | —   | —   | —  | —   | —  | — | — |
| Ureteric Fistula ... ..        | 1   | 1   | —  | 1   | —  | — | — |
| Bladder ... ..                 | —   | —   | —  | —   | —  | — | — |
| Bilharziasis of Bladder... ..  | 15  | 14  | 1  | 12  | 1  | 2 | — |
| Cystitis ... ..                | 37  | 29  | 8  | 26  | 7  | 3 | 1 |
| Vesical Calculus ... ..        | 126 | 112 | 14 | 105 | 13 | 7 | 1 |
| Malignant Bladder ... ..       | 17  | 17  | —  | 12  | —  | 5 | — |
| Atony of Bladder ... ..        | 1   | 1   | —  | 1   | —  | — | — |
| Ectopia Vesicæ ... ..          | 1   | 1   | —  | 1   | —  | — | — |
| Perivesical Abscess ... ..     | 1   | 1   | —  | 1   | —  | — | — |
| Retention of Urine ... ..      | 1   | 1   | —  | 1   | —  | — | — |
| Incontinence of Urine ... ..   | 1   | 1   | —  | 1   | —  | — | — |
| Ruptured Bladder... ..         | 2   | 2   | —  | —   | —  | 2 | — |
| Ruptured Urethra ... ..        | 4   | 3   | 1  | 3   | 1  | — | — |



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

DISEASES OF SMALL INTESTINE :—

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| Enterectomy for Rupture ... ..                        | 2 | 2 | — | — | — | 2 | — |
| New growth ... ..                                     | 1 | 1 | — | — | — | 1 | — |
| Entero-colostomy for Obstructions ...                 | 1 | 1 | — | — | — | 1 | — |
| Entero-Colostomy after reaction for<br>Fistula ... .. | 1 | 1 | — | 1 | — | — | — |

DISEASES OF LARGE INTESTINE :—

|                                |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|
| Colorrhaphy for Rupture ... .. | 2 | 2 | — | 2 | — | — | — |
| Unbursting Volvulus ... ..     | 1 | 1 | — | 1 | — | — | — |

OPERATION OF ABDOMEN :—

|                                      |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|
| Colostomy for Obstruction ... ..     | 9 | 8 | 1 | 2 | — | 6 | 1 |
| Resection for Intussusception ... .. | 1 | 1 | — | — | — | 1 | — |
| Colostomy Volvulus ... ..            | 1 | 1 | — | — | — | 1 | — |
| New growth ... ..                    | 2 | 2 | — | 1 | — | 1 | — |

APPENDIX :—

|                            |    |    |   |    |   |   |   |
|----------------------------|----|----|---|----|---|---|---|
| Appendicectomy ... ..      | 31 | 25 | 6 | 23 | 6 | 2 | — |
| Drainage of abscess ... .. | 13 | 12 | 1 | 10 | — | 2 | 1 |

SPLEEN :—

|                                |    |    |   |    |   |   |   |
|--------------------------------|----|----|---|----|---|---|---|
| Splenectomy for Rupture ... .. | 2  | 2  | — | 2  | — | — | — |
| Endemic Splenomegaly ... ..    | 24 | 17 | 7 | 13 | 6 | 4 | 1 |

LIVER :—

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| Tamponade for Rupture for Liver<br>Abscess ... .. | 5 | 3 | 2 | 2 | — | 1 | 2 |
| Aspiration ... ..                                 | 6 | 5 | 1 | 4 | 1 | 1 | — |
| Drainage ... ..                                   | 5 | 5 | — | 3 | — | 2 | — |
| Cholecystostomy ... ..                            | 2 | 2 | — | 1 | — | 1 | — |
| Cholecystectomy ... ..                            | 2 | 2 | — | 2 | — | — | — |
| Exploration for Liver Abscess ... ..              | 1 | 1 | — | — | — | 1 | — |

OPERATIONS ON THE URINARY TRACT.

KIDNEY :—

|                                   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|
| Drainage of Pyonephrosis ... ..   | 6 | 5 | 1 | 5 | 1 | — | — |
| Perinephric Abscess ... ..        | 4 | 4 | — | 4 | — | — | — |
| Nephrotomy for Exploration ... .. | 1 | 1 | — | 1 | — | — | — |
| „ „ Calculus ... ..               | 7 | 7 | — | 7 | — | — | — |
| Nephrectomy for Rupture ... ..    | 1 | 1 | — | 1 | — | — | — |

Prostate :—

|                           |    |    |   |    |   |    |   |
|---------------------------|----|----|---|----|---|----|---|
| Enlarged Prostate... ..   | 46 | 46 | — | 36 | — | 10 | — |
| Malignant Prostate ... .. | 1  | 1  | — | 1  | — | —  | — |

Urethra:—

|                                 |    |    |   |    |   |    |   |
|---------------------------------|----|----|---|----|---|----|---|
| Hypospadias ... ..              | 4  | 4  | — | 4  | — | —  | — |
| Phimosis... ..                  | 1  | 1  | — | 1  | — | —  | — |
| Stricture of Urethra ... ..     | 17 | 17 | — | 16 | — | 1  | — |
| Impacted Stone of Urethra... .. | 18 | 18 | — | 18 | — | —  | — |
| Peri-Urethral Abscess ... ..    | 8  | 7  | 1 | 7  | 1 | —  | — |
| Urinary Fistula ... ..          | 75 | 75 | — | 64 | — | 11 | — |
| Recto-Vesical Fistula ... ..    | 1  | 1  | — | 1  | — | —  | — |
| Extravasation of Urine ... ..   | 4  | 3  | 1 | 2  | — | 1  | 1 |
| Inflamed Prepuce ... ..         | 1  | 1  | — | 1  | — | —  | — |
| Elephantiasis of Penis ... ..   | 7  | 7  | — | 7  | — | —  | — |
| Circumcision ... ..             | 2  | 2  | — | 2  | — | —  | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

|                                    |     |     |    |     |    |   |   |
|------------------------------------|-----|-----|----|-----|----|---|---|
| OPERATIONS ON THE URINARY TRACT.   |     |     |    |     |    |   |   |
| KIDNEY ( <i>contd.</i> ):—         |     |     |    |     |    |   |   |
| <i>Scrotum and Its contents</i> :— |     |     |    |     |    |   |   |
| Gangrene of Scrotum ... ..         | 15  | 15  | —  | 12  | —  | 3 | — |
| Elephantiasis of Scrotum ... ..    | 8   | 8   | —  | 8   | —  | — | — |
| Scrotal Tumour ... ..              | 1   | 1   | —  | 1   | —  | — | — |
| Undescended Testes ... ..          | 1   | 1   | —  | 1   | —  | — | — |
| Orchitis ... ..                    | 5   | 5   | —  | 5   | —  | — | — |
| Tubercular Testes ... ..           | 4   | 4   | —  | 4   | —  | — | — |
| Bilharziasis of Testes ... ..      | 1   | 1   | —  | 1   | —  | — | — |
| Syphilis of Testicle ... ..        | 9   | 9   | —  | 9   | —  | — | — |
| Cancer of Testicle ... ..          | 1   | 1   | —  | 1   | —  | — | — |
| Epidydimitis ... ..                | 3   | 3   | —  | 3   | —  | — | — |
| Tubercular Epidydimitis ... ..     | 4   | 4   | —  | 4   | —  | — | — |
| Hydrocele ... ..                   | 206 | 206 | —  | 206 | —  | — | — |
| Hæmatocele ... ..                  | 10  | 10  | —  | 9   | —  | 1 | — |
| Funiculitis ... ..                 | 18  | 18  | —  | 16  | —  | 2 | — |
| Hydrocele of the Cord ... ..       | 8   | 8   | —  | 8   | —  | — | — |
| Variocele ... ..                   | 29  | 29  | —  | 29  | —  | — | — |
| Spermatocele ... ..                | 1   | 1   | —  | 1   | —  | — | — |
| BREAST:—                           |     |     |    |     |    |   |   |
| Acute Mastitis ... ..              | 3   | —   | 3  | —   | 3  | — | — |
| Mammary Abscess ... ..             | 15  | —   | 15 | —   | 15 | — | — |
| Elephantiasis of Breast ... ..     | 1   | —   | 1  | —   | 1  | — | — |
| Cancer of Breast ... ..            | 17  | 1   | 16 | 1   | 14 | — | 2 |
| Sarcoma of Breast ... ..           | 1   | —   | 1  | —   | 1  | — | — |
| SPINE:—                            |     |     |    |     |    |   |   |
| Spina Bifida ... ..                | 5   | —   | 5  | —   | 5  | — | — |
| Pott's Disease ... ..              | 67  | 29  | 38 | 25  | 36 | 4 | 2 |
| Meningitis ... ..                  | 2   | 2   | —  | —   | —  | 2 | — |
| Tumour of Spinal Cord ... ..       | 1   | 1   | —  | 1   | —  | — | — |
| Contusion of Spine ... ..          | 18  | 14  | 4  | 12  | 3  | 2 | 1 |
| Fractured Spine ... ..             | 12  | 9   | 3  | 5   | 2  | 4 | 1 |
| Traumatic Myelitis ... ..          | 1   | 1   | —  | —   | —  | 1 | — |
| LYMPHATIC GLANDS AND VESSELS:—     |     |     |    |     |    |   |   |
| Cystic Hygroma ... ..              | 1   | —   | 1  | —   | 1  | — | — |
| Lymphangitis ... ..                | 5   | 4   | 1  | 4   | 1  | — | — |
| Elephantiasis ... ..               | 10  | 7   | 3  | 6   | 3  | 1 | — |
| Tubercular Glands ... ..           | 128 | 49  | 79 | 48  | 76 | 1 | 3 |
| Septic Lymphatic Glands ... ..     | 9   | 8   | 1  | 8   | 1  | — | — |
| Lymphadenoma ... ..                | 5   | 2   | 3  | 1   | 3  | 1 | — |
| Lympho-sarcoma ... ..              | 9   | 6   | 3  | 5   | 3  | 1 | — |
| Endothelioma ... ..                | 9   | 6   | 3  | 5   | 3  | 1 | — |
| JOINTS:—                           |     |     |    |     |    |   |   |
| Synovitis ... ..                   | 24  | 20  | 4  | 14  | 3  | 6 | 1 |
| Septic Arthritis of Knee ... ..    | 12  | 7   | 5  | 2   | 3  | 5 | 2 |
| „ „ „ Hip ... ..                   | 1   | —   | 1  | —   | —  | — | 1 |
| „ „ „ Ankle ... ..                 | 1   | —   | 1  | —   | —  | — | 1 |
| Syphilitic Joint ... ..            | 1   | 1   | —  | 1   | —  | — | — |
| Tubercular Shoulder ... ..         | 4   | 3   | 1  | 3   | 1  | — | — |
| „ Elbow ... ..                     | 5   | 3   | 2  | 3   | 2  | — | — |
| „ Wrist ... ..                     | 3   | 2   | 1  | 2   | 1  | — | — |
| „ Hip ... ..                       | 47  | 34  | 13 | 31  | 7  | 3 | 6 |
| „ Knee ... ..                      | 34  | 25  | 9  | 23  | 8  | 2 | 1 |
| „ Ankle ... ..                     | 16  | 10  | 6  | 10  | 6  | — | — |



STATISTICS IN-PATIENTS (*continued*)

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

JOINTS (*contd.*) :—

|                        |    |    |   |    |   |   |   |
|------------------------|----|----|---|----|---|---|---|
| Osteo-Arthritis ... .. | 3  | 3  | — | 3  | — | — | — |
| Baker's Cyst ... ..    | 2  | 1  | 1 | 1  | 1 | — | — |
| Ankylosis ... ..       | 14 | 10 | 4 | 10 | 4 | — | — |
| Genu-Varum ... ..      | 1  | —  | 1 | —  | 1 | — | — |
| Talipes ... ..         | 6  | 1  | 5 | 1  | 5 | — | — |
| Tumour of Joint ... .. | 1  | —  | 1 | 1  | — | — | — |

*Injuries to Joints :—*

|                   |    |    |   |    |   |   |   |
|-------------------|----|----|---|----|---|---|---|
| Contusions ... .. | 34 | 32 | 2 | 31 | 2 | 1 | — |
| Sprains ... ..    | 6  | 4  | 2 | 4  | — | 2 | — |

*Dislocations :—*

|                                |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|
| Temporo-maxillary joint ... .. | 3 | 3 | — | 3 | — | — | — |
| Sterno-clavicular ... ..       | 4 | 3 | 1 | 3 | 1 | — | — |
| Shoulder ... ..                | 6 | 4 | 2 | 4 | 2 | — | — |
| Elbow ... ..                   | 4 | 2 | 2 | 2 | 2 | — | — |
| Wrist ... ..                   | 3 | 3 | — | 3 | — | — | — |
| Campo-metacarpal... ..         | 1 | — | 1 | — | 1 | — | — |
| Hip ... ..                     | 4 | 3 | 1 | 3 | 1 | — | — |
| Knee ... ..                    | 2 | 2 | — | 1 | — | 1 | — |
| Ankle ... ..                   | 2 | 2 | — | 2 | — | — | — |
| Tarso-metatarsal ... ..        | 2 | 2 | — | 2 | — | — | — |

FRACTURES :—

|  |    |    |    |    |    |   |   |
|--|----|----|----|----|----|---|---|
| Simple Fracture of Clavicle ... ..                   | 40 | 31 | 9  | 31 | 9  | — | — |
| „ „ „ Scapula ... ..                                 | 2  | 2  | —  | 2  | —  | — | — |
| „ „ „ Humerus ... ..                                 | 58 | 46 | 12 | 45 | 12 | 1 | — |
| Compound Fracture of Humerus ...                     | 9  | 4  | 5  | 4  | 5  | — | — |
| Simple Fracture of Ulna ... ..                       | 53 | 42 | 11 | 42 | 10 | — | 1 |
| Compound Fracture of Ulna ... ..                     | 14 | 12 | 2  | 12 | 2  | — | — |
| Simple Fracture of Radius ... ..                     | 42 | 32 | 10 | 31 | 10 | 1 | — |
| Compound Fracture of Radius ... ..                   | 5  | 5  | —  | 5  | —  | — | — |
| Simple Fracture of Ulna and Radius...                | 36 | 31 | 5  | 31 | 5  | — | — |
| Compound Fracture of Ulna and Radius ... ..          | 12 | 9  | 3  | 9  | 3  | — | — |
| Simple Fracture of Metacarpus and Phalanges ... ..   | 16 | 15 | 1  | 15 | 1  | — | — |
| Compound Fracture of Metacarpus and Phalanges ... .. | 5  | 5  | —  | 5  | —  | — | — |
| Simple Fracture of Pelvis ... ..                     | 5  | 5  | —  | 2  | —  | 3 | — |
| „ „ „ Ribs ... ..                                    | 50 | 44 | 6  | 42 | 5  | 2 | 1 |
| „ „ „ Nasal Bone ... ..                              | 1  | 1  | —  | 1  | —  | — | — |
| Compound Fracture Nasal Bone ...                     | 3  | 3  | —  | 3  | —  | — | — |
| „ „ „ of Mandible ... ..                             | 5  | 5  | —  | 5  | —  | — | — |
| „ „ „ „ Maxilla ... ..                               | 6  | 5  | 1  | 4  | 1  | 1 | — |
| Simple Fracture of Mandible ... ..                   | 8  | 7  | 1  | 7  | 1  | — | — |

DISEASES OF BONES :—

|                              |    |    |    |    |    |   |   |
|------------------------------|----|----|----|----|----|---|---|
| Periostitis ... ..           | 11 | 8  | 3  | 6  | 2  | 2 | 1 |
| Traumatic Periostitis ... .. | 13 | 11 | 2  | 11 | 2  | — | — |
| Acute Osteomyelitis... ..    | 13 | 7  | 6  | 7  | 5  | — | 1 |
| Chronic Osteomyelitis ... .. | 9  | 7  | 2  | 6  | 2  | 1 | — |
| Caries ... ..                | 39 | 20 | 19 | 19 | 19 | 1 | — |
| Necrosis ... ..              | 96 | 65 | 31 | 58 | 29 | 7 | 2 |
| Epiphysitis... ..            | 1  | —  | 1  | —  | 1  | — | — |
| Myeloma ... ..               | 2  | 1  | 1  | 1  | 1  | — | — |
| Osteoma ... ..               | 1  | 1  | —  | 1  | —  | — | — |
| Osteo-Sarcoma ... ..         | 14 | 12 | 2  | 11 | 1  | 1 | 1 |
| Rachetic Chest ... ..        | 1  | 1  | —  | 1  | —  | — | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

DISEASES OF BONES (*contd.*):—

|   |    |    |    |    |    |    |   |
|---|----|----|----|----|----|----|---|
| Simple Fracture of Neck of Femur ...                  | 31 | 23 | 8  | 21 | 8  | 2  | — |
| „ „ „ Shaft of Femur ...                              | 92 | 63 | 29 | 60 | 27 | 3  | 2 |
| Compound Fracture of Shaft of Femur                   | 19 | 16 | 3  | 12 | 3  | 4  | — |
| Simple Fracture of Condyle of Femur                   | 1  | 1  | —  | 1  | —  | —  | — |
| Compound Fracture of Condyle of Femur ... ..          | 1  | 1  | —  | —  | —  | 1  | — |
| Simple Fracture of Patella ... ..                     | 5  | 4  | 1  | 4  | 1  | —  | — |
| „ „ „ Tibia ... ..                                    | 40 | 33 | 7  | 33 | 7  | —  | — |
| Compound Fracture of Tibia ... ..                     | 19 | 18 | 1  | 16 | 1  | 2  | — |
| Simple Fracture of Fibula ... ..                      | 13 | 12 | 1  | 12 | 1  | —  | — |
| Compound Fracture of Fibula ... ..                    | 1  | 1  | —  | 1  | —  | —  | — |
| Simple Fracture of Tibia and Fibula ...               | 95 | 78 | 17 | 78 | 17 | —  | — |
| Compound Fracture of Tibia and Fibula ... ..          | 65 | 52 | 13 | 44 | 12 | 8  | 1 |
| Simple Fracture of Tarsus ... ..                      | 6  | 4  | 2  | 3  | 2  | 1  | — |
| Compound Fracture of Tarsus ... ..                    | 1  | 1  | —  | —  | —  | 1  | — |
| Simple Fracture of Metatarsals and Phalanges ... ..   | 13 | 13 | —  | 13 | —  | —  | — |
| Compound Fracture of Metatarsals and Phalanges ... .. | 8  | 8  | —  | 7  | —  | 1  | — |
| Simple Fracture of Sternum ... ..                     | 1  | —  | 1  | —  | 1  | —  | — |
| „ Multiple Fractures ... ..                           | 35 | 26 | 9  | 16 | 3  | 10 | 6 |
| Compound Multiple Fractures ... ..                    | 11 | 10 | 1  | 3  | 1  | 7  | — |

NERVES :—

|                     |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|
| Cut Nerves ... ..   | 5 | 5 | — | 5 | — | — | — |
| Neurofibroma ... .. | 4 | 4 | — | 4 | — | — | — |

BURSÆ :—

|                 |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|
| Bursitis ... .. | 2 | 2 | — | 2 | — | — | — |
|-----------------|---|---|---|---|---|---|---|

CRUSHES :

|                         |    |    |   |    |   |    |   |
|-------------------------|----|----|---|----|---|----|---|
| Limbs ... ..            | 84 | 78 | 6 | 47 | 3 | 31 | 3 |
| Fingers and Toes ... .. | 27 | 26 | 1 | 26 | 1 | —  | — |

BITES :—

|                    |       |       |     |       |     |   |   |
|--------------------|-------|-------|-----|-------|-----|---|---|
| Dog Bite... ..     | 1,524 | 1,049 | 475 | 1,045 | 470 | 4 | 5 |
| Hydrophobia... ..  | 8     | 8     | —   | —     | —   | 8 | — |
| Wolf Bite ... ..   | 42    | 30    | 12  | 30    | 11  | — | 1 |
| Fox Bite... ..     | 1     | 1     | —   | 1     | —   | — | — |
| Camel Bite ... ..  | 56    | 54    | 2   | 52    | 2   | 2 | — |
| Donkey Bite ... .. | 41    | 33    | 8   | 33    | 8   | — | — |
| Mule Bite ... ..   | 4     | 3     | 1   | 3     | 1   | — | — |
| Horse Bite ... ..  | 16    | 16    | —   | 16    | —   | — | — |
| Monkey Bite ... .. | 21    | 11    | 10  | 11    | 10  | — | — |
| Rat Bite... ..     | 4     | 3     | 1   | 3     | 1   | — | — |
| Cat Bite ... ..    | 32    | 20    | 12  | 19    | 12  | 1 | — |
| Lion Bite ... ..   | 1     | 1     | —   | 1     | —   | — | — |
| Human Bite ... ..  | 3     | 2     | 1   | 2     | 1   | — | — |
| Animal Bite ... .. | 4     | 4     | —   | 4     | —   | — | — |

EYES :—

|                    |     |     |     |     |     |   |   |
|--------------------|-----|-----|-----|-----|-----|---|---|
| Trichiasis ... ..  | 300 | 187 | 113 | 187 | 113 | — | — |
| Stye ... ..        | 5   | 4   | 1   | 4   | 1   | — | — |
| Blepharitis ... .. | 20  | 17  | 3   | 17  | 3   | — | — |
| Ptosis ... ..      | 3   | 2   | 1   | 2   | 1   | — | — |
| Entropion ... ..   | 28  | 12  | 16  | 12  | 16  | — | — |
| Ectropion ... ..   | 4   | 3   | 1   | 3   | 1   | — | — |



STATISTICS IN-PATIENTS (continued).

| DISEASES AND OTHERS. | TOTAL. | MALE. | FEMALE. | DISCHARGED. |         | DIED. |        |
|----------------------|--------|-------|---------|-------------|---------|-------|--------|
|                      |        |       |         | Male.       | Female. | Male. | Female |

SURGICAL IN-PATIENTS (continued).

EYES (contd.) :—

|                                    |     |     |    |     |    |   |   |
|------------------------------------|-----|-----|----|-----|----|---|---|
| Meibonian Cyst ... ..              | 7   | 4   | 3  | 4   | 3  | — | — |
| Blepharophimosis ... ..            | 2   | 2   | —  | 2   | —  | — | — |
| Symblepharon ... ..                | 1   | —   | 1  | —   | 1  | — | — |
| Gangrene of eyelid ... ..          | 3   | 2   | 1  | 2   | 1  | — | — |
| Tumour of Lid ... ..               | 3   | 2   | 1  | 2   | 1  | — | — |
| Cataract ... ..                    | 127 | 76  | 51 | 76  | 51 | — | — |
| Dislocation of Lens ... ..         | 2   | 2   | —  | 2   | —  | — | — |
| Trachoma ... ..                    | 129 | 88  | 41 | 88  | 41 | — | — |
| Conjunctivitis ... ..              | 46  | 36  | 10 | 36  | 10 | — | — |
| Purulent Conjunctivitis ... ..     | 19  | 11  | 8  | 11  | 8  | — | — |
| Phlyctenular Conjunctivitis ... .. | 19  | 17  | 2  | 17  | 2  | — | — |
| Ptyregium ... ..                   | 26  | 21  | 5  | 21  | 5  | — | — |
| Epithelial Flakes ... ..           | 2   | 2   | —  | 2   | —  | — | — |
| Pannus ... ..                      | 20  | 15  | 5  | 15  | 5  | — | — |
| Tumour of conjunctivitis ... ..    | 1   | —   | 1  | —   | 1  | — | — |
| Dacrocystitis ... ..               | 10  | 6   | 4  | 6   | 4  | — | — |
| Lachrymal Fistula ... ..           | 5   | 3   | 2  | 3   | 2  | — | — |
| „ Cyst ... ..                      | 4   | 2   | 2  | 2   | 2  | — | — |
| „ Abscess ... ..                   | 1   | —   | 1  | —   | 1  | — | — |
| Tumour of Lachrymal Gland ... ..   | 1   | 1   | —  | 1   | —  | — | — |
| Iritis ... ..                      | 10  | 8   | 2  | 8   | 2  | — | — |
| Iridocyclitis ... ..               | 12  | 10  | 2  | 10  | 2  | — | — |
| Closed Pupil ... ..                | 1   | —   | 1  | —   | 1  | — | — |
| Rupture of Iris ... ..             | 1   | 1   | —  | 1   | —  | — | — |
| Glaucoma ... ..                    | 87  | 54  | 23 | 54  | 23 | — | — |
| Panophthalmitis ... ..             | 16  | 8   | 8  | 8   | 8  | — | — |
| Choroiditis ... ..                 | 1   | 1   | —  | 1   | —  | — | — |
| Proptosis ... ..                   | 3   | 3   | —  | 3   | —  | — | — |
| Myopia ... ..                      | 3   | 3   | —  | 3   | —  | — | — |
| Buphthalmos ... ..                 | 2   | 2   | —  | 2   | —  | — | — |
| Detachment of Retina ... ..        | 5   | 5   | —  | 5   | —  | — | — |
| Retinitis Pigmentosa ... ..        | 1   | 1   | —  | 1   | —  | — | — |
| Retro-bulbar Neuritis ... ..       | 2   | 2   | —  | 2   | —  | — | — |
| Optic Atrophy ... ..               | 9   | 7   | 2  | 7   | 2  | — | — |
| Optic Neuritis ... ..              | 2   | 1   | 1  | 1   | 1  | — | — |
| Strabismus ... ..                  | 3   | 3   | —  | 3   | —  | — | — |
| Tumours of eye ... ..              | 6   | 4   | 2  | 4   | 2  | — | — |
| Defective Vision ... ..            | 3   | 3   | —  | 3   | —  | — | — |
| Glioma ... ..                      | 1   | 1   | —  | —   | —  | 1 | — |
| Foreign Body in Eye ... ..         | 4   | 4   | —  | 4   | —  | — | — |
| Oculo Motor Paralysis ... ..       | 1   | 1   | —  | 1   | —  | — | — |
| Tumour of Eye ... ..               | 9   | 8   | 1  | 8   | 1  | — | — |
| Intra-ocular Hæmorrhage ... ..     | 2   | 2   | —  | 2   | —  | — | — |
| Abscess of Eye ... ..              | 1   | 1   | —  | 1   | —  | — | — |
| Lag Ophthalmos ... ..              | 1   | —   | 1  | —   | 1  | — | — |
| Diseases of Tarsus ... ..          | 3   | 2   | 1  | 2   | 1  | — | — |
| Corneal Ulcer... ..                | 188 | 139 | 49 | 139 | 49 | — | — |
| Perforated Ulcer ... ..            | 27  | 13  | 14 | 13  | 14 | — | — |
| Phlyctenular Ulcer ... ..          | 2   | 2   | —  | 2   | —  | — | — |
| Hypopion Ulcer ... ..              | 5   | 5   | —  | 5   | —  | — | — |
| Adherent Leucoma ... ..            | 42  | 24  | 18 | 24  | 18 | — | — |
| Leucoma ... ..                     | 35  | 18  | 17 | 18  | 17 | — | — |
| Keratitis ... ..                   | 5   | 3   | 2  | 3   | 2  | — | — |
| Corneal Infiltrations ... ..       | 26  | 24  | 2  | 24  | 2  | — | — |
| Staphyloma ... ..                  | 26  | 15  | 11 | 15  | 11 | — | — |
| Nebula ... ..                      | 2   | 1   | 1  | 1   | 1  | — | — |
| Hæmorrhage in Cornea ... ..        | 1   | 1   | —  | 1   | —  | — | — |
| Ruptured Cornea ... ..             | 3   | 2   | 1  | 2   | 1  | — | — |

STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

MIDWIFERY :—

|                                      |     |   |     |   |     |   |   |
|--------------------------------------|-----|---|-----|---|-----|---|---|
| Under observation ... ..             | 158 | — | 158 | — | 158 | — | — |
| Normal Labour ... ..                 | 135 | — | 135 | — | 135 | — | — |
| Twins ... ..                         | 10  | — | 10  | — | 10  | — | — |
| Placenta Prævia ... ..               | 11  | — | 11  | — | 8   | — | 3 |
| Retained Placenta ... ..             | 7   | — | 7   | — | 7   | — | — |
| Eclampsia ... ..                     | 6   | — | 6   | — | 2   | — | 4 |
| Albuminuria ... ..                   | 3   | — | 3   | — | 3   | — | — |
| Pregnancy Kidney ... ..              | 1   | — | 1   | — | 1   | — | — |
| Puerpural Sepsis ... ..              | 11  | — | 11  | — | 11  | — | — |
| Sapræmia ... ..                      | 1   | — | 1   | — | —   | — | 1 |
| Morning Sickness ... ..              | 1   | — | 1   | — | 1   | — | — |
| Complete abortion ... ..             | 29  | — | 29  | — | 29  | — | — |
| Incomplete abortion ... ..           | 9   | — | 9   | — | 9   | — | — |
| Threatened abortion ... ..           | 15  | — | 15  | — | 15  | — | — |
| Premature Labour ... ..              | 8   | — | 8   | — | 8   | — | — |
| Ruptured Uterus ... ..               | 4   | — | 4   | — | —   | — | 4 |
| Ectopic Gestation ... ..             | 6   | — | 6   | — | 6   | — | — |
| Subinvolution ... ..                 | 2   | — | 2   | — | 2   | — | — |
| Post-partum Hæmorrhages ... ..       | 1   | — | 1   | — | 1   | — | — |
| Hydramnios ... ..                    | 1   | — | 1   | — | 1   | — | — |
| Normal Puerperum ... ..              | 1   | — | 1   | — | 1   | — | — |
| Monster Pregnancy ... ..             | 1   | — | 1   | — | 1   | — | — |
| ” ” with Gonorrhea ... ..            | 1   | — | 1   | — | 1   | — | — |
| Pregnancy with Heart Failure ... ..  | 1   | — | 1   | — | 1   | — | — |
| ” ” Fœtus Dead ... ..                | 1   | — | 1   | — | 1   | — | — |
| Contracted Pelvis ... ..             | 41  | — | 41  | — | 38  | — | 3 |
| Prolapse of Cord ... ..              | 7   | — | 7   | — | 6   | — | 1 |
| Persistent Occipito-Posterior ... .. | 7   | — | 7   | — | 6   | — | 1 |
| Flat Pelvis ... ..                   | 1   | — | 1   | — | 1   | — | — |
| Breech Presentation ... ..           | 5   | — | 5   | — | 5   | — | — |
| Face Presentation ... ..             | 3   | — | 3   | — | 3   | — | — |
| Rigid Os. ... ..                     | 2   | — | 2   | — | 1   | — | 1 |
| Brow Presentation ... ..             | 1   | — | 1   | — | 1   | — | — |
| Neglected Shoulder ... ..            | 8   | — | 8   | — | 7   | — | 1 |
| Osteomalacia ... ..                  | 1   | — | 1   | — | 1   | — | — |
| Uterine Inertia ... ..               | 1   | — | 1   | — | 1   | — | — |
| Prolonged 2nd Stage ... ..           | 4   | — | 4   | — | 4   | — | — |
| Vicarious Menses ... ..              | 1   | — | 1   | — | 1   | — | — |
| Bleeding after Abortion ... ..       | 1   | — | 1   | — | 1   | — | — |
| Pretending Abortion ... ..           | 1   | — | 1   | — | 1   | — | — |
| Hydrocephalus ... ..                 | 1   | — | 1   | — | 1   | — | — |
| Huge Ascites of Fœtus ... ..         | 1   | — | 1   | — | 1   | — | — |
| Difficult Labour ... ..              | 10  | — | 10  | — | 9   | — | 1 |
| Missed Labour ... ..                 | 1   | — | 1   | — | 1   | — | — |
| Paralytic Ileus ... ..               | 1   | — | 1   | — | —   | — | 1 |

GYNÆCOLOGY :—

|                                    |    |   |    |   |    |   |   |
|------------------------------------|----|---|----|---|----|---|---|
| Bleeding from Vulva ... ..         | 1  | — | 1  | — | 1  | — | — |
| Hypertrophy of Labia Minora ... .. | 1  | — | 1  | — | 1  | — | — |
| Papilloma of Vulva ... ..          | 2  | — | 2  | — | 2  | — | — |
| Pepper in Vagina ... ..            | 2  | — | 2  | — | 2  | — | — |
| Bilharzia of Vagina ... ..         | 2  | — | 2  | — | 2  | — | — |
| Vaginal Atresia ... ..             | 2  | — | 2  | — | 2  | — | — |
| Vaginitis ... ..                   | 7  | — | 7  | — | 7  | — | — |
| Cyst of Vagina ... ..              | 1  | — | 1  | — | 1  | — | — |
| Trauma of Vagina ... ..            | 1  | — | 1  | — | 1  | — | — |
| Cancer of Bladder ... ..           | 1  | — | 1  | — | 1  | — | — |
| Rectocele ... ..                   | 1  | — | 1  | — | 1  | — | — |
| Cystocele ... ..                   | 4  | — | 4  | — | 4  | — | — |
| Cysto-rectocele ... ..             | 22 | — | 22 | — | 22 | — | — |



STATISTICS IN-PATIENTS (*continued*).

| DISEASES AND OTHERS. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

GYNÆCOLOGY (*contd.*):—

|                                       |    |   |    |   |    |   |   |
|---------------------------------------|----|---|----|---|----|---|---|
| Rupture of Perineum ... ..            | 7  | — | 7  | — | 7  | — | — |
| Cancer of Cervix ... ..               | 4  | — | 4  | — | 3  | — | 1 |
| Hypertrophy of Cervix... ..           | 2  | — | 2  | — | 2  | — | — |
| Stenosis of Cervix ... ..             | 15 | — | 15 | — | 15 | — | — |
| Cervicitis ... ..                     | 1  | — | 1  | — | 1  | — | — |
| Polypus of Cervix ... ..              | 4  | — | 4  | — | 4  | — | — |
| Parametritis ... ..                   | 25 | — | 25 | — | 24 | — | 1 |
| Salpingoophritis ... ..               | 10 | — | 10 | — | 10 | — | — |
| Pyosalpinx ... ..                     | 8  | — | 8  | — | 8  | — | — |
| Ch. Salpingitis ... ..                | 1  | — | 1  | — | 1  | — | — |
| Tubercular Salpingitis ... ..         | 1  | — | 1  | — | 1  | — | — |
| Simple Salpingitis ... ..             | 4  | — | 4  | — | 4  | — | — |
| Procidentia ... ..                    | 18 | — | 18 | — | 18 | — | — |
| Prolapse of Uterus ... ..             | 7  | — | 7  | — | 7  | — | — |
| Recto-vaginal Fistula ... ..          | 15 | — | 15 | — | 15 | — | — |
| Carcinoma of Uterus ... ..            | 2  | — | 2  | — | 1  | — | 1 |
| Double Uterus ... ..                  | 1  | — | 1  | — | 1  | — | — |
| Myoma of Uterus ... ..                | 28 | — | 28 | — | 28 | — | — |
| Endometritis ... ..                   | 14 | — | 14 | — | 14 | — | — |
| Recto-vaginal and Anal Fistula ... .. | 2  | — | 2  | — | 2  | — | — |
| Ch. Metritis ... ..                   | 2  | — | 2  | — | 2  | — | — |
| Rectal Fistula ... ..                 | 1  | — | 1  | — | 1  | — | — |
| Ovarian Tumour ... ..                 | 8  | — | 8  | — | 8  | — | — |
| Ovaritis ... ..                       | 2  | — | 2  | — | 2  | — | — |
| Ovarian Cyst ... ..                   | 20 | — | 20 | — | 20 | — | — |
| Parovarian Cyst ... ..                | 1  | — | 1  | — | 1  | — | — |
| Prolapse of Ovary ... ..              | 3  | — | 3  | — | 3  | — | — |
| Vesico-vaginal Fistula ... ..         | 21 | — | 21 | — | 21 | — | — |
| Recto-vaginal Fistula ... ..          | 2  | — | 2  | — | 2  | — | — |
| Urethro-vaginal Fistula ... ..        | 1  | — | 1  | — | 1  | — | — |
| Perimetritis ... ..                   | 22 | — | 22 | — | 18 | — | 4 |
| Dysmenorrhœa ... ..                   | 2  | — | 2  | — | 2  | — | — |
| Menorrhagia ... ..                    | 2  | — | 2  | — | 2  | — | — |
| Menopause ... ..                      | 2  | — | 2  | — | 2  | — | — |
| Metrorrhagia ... ..                   | 2  | — | 2  | — | 2  | — | — |
| Enlarged Uterus ... ..                | 1  | — | 1  | — | 1  | — | — |
| Abdominal Tumour ... ..               | 1  | — | 1  | — | 1  | — | — |
| Amenorrhœa ... ..                     | 1  | — | 1  | — | 1  | — | — |
| Leucorrhœa ... ..                     | 1  | — | 1  | — | 1  | — | — |
| Uterine Hæmorrhage ... ..             | 3  | — | 3  | — | 3  | — | — |
| Tubercular Mass of Abdomen ... ..     | 1  | — | 1  | — | 1  | — | — |
| Vaginal Hæmorrhage ... ..             | 1  | — | 1  | — | 1  | — | — |

NOSE, EAR AND THROAT:—

|                           |    |    |    |    |    |   |   |
|---------------------------|----|----|----|----|----|---|---|
| Cerebellar Abscess ... .. | 1  | 1  | —  | —  | —  | 1 | — |
| Mastoiditis ... ..        | 32 | 20 | 12 | 19 | 11 | 1 | 1 |
| Otitis Media ... ..       | 19 | 11 | 8  | 10 | 8  | 1 | — |
| Abscess Behind Ear ... .. | 1  | —  | 1  | —  | 1  | — | — |
| Polypus of Ear ... ..     | 2  | 2  | —  | 2  | —  | — | — |
| Wax ... ..                | 1  | —  | 1  | —  | 1  | — | — |
| Ruptured Drum ... ..      | 1  | 1  | —  | 1  | —  | — | — |
| Deafness ... ..           | 2  | 2  | —  | 2  | —  | — | — |
| Epistaxis... ..           | 6  | 5  | 1  | 5  | 1  | — | — |
| Rhinitis ... ..           | 5  | 4  | 1  | 4  | 1  | — | — |
| Defected Septum ... ..    | 3  | 3  | —  | 3  | —  | — | — |
| Nasal Polypus ... ..      | 10 | 5  | 5  | 5  | 5  | — | — |
| Nasal Fibroma ... ..      | 5  | 4  | 1  | 4  | 1  | — | — |
| Rhinoscleroma ... ..      | 7  | 5  | 2  | 5  | 2  | — | — |
| Abscess of Nose ... ..    | 1  | 1  | —  | 1  | —  | — | — |
| Syphilis of Nose ... ..   | 1  | 1  | —  | 1  | —  | — | — |

STATISTICS IN-PATIENTS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*contd.*)

NOSE EAR AND THROAT (*contd.*).

|                                      |    |    |    |    |    |   |   |
|--------------------------------------|----|----|----|----|----|---|---|
| Septic Throat... ..                  | 1  | 1  | —  | 1  | —  | — | — |
| Tonsillitis ... ..                   | 27 | 13 | 14 | 13 | 14 | — | — |
| Enlarged Tonsils ... ..              | 13 | 3  | 10 | 3  | 10 | — | — |
| Peritonsillar Abscess ... ..         | 1  | 1  | —  | 1  | —  | — | — |
| Sarcoma of Tonsil... ..              | 1  | 1  | —  | 1  | —  | — | — |
| Retropharyngeal Abscess ... ..       | 1  | —  | 1  | —  | 1  | — | — |
| T. B. Laryngitis ... ..              | 3  | 3  | —  | 3  | —  | — | — |
| Ch. Laryngitis ... ..                | 3  | 2  | 1  | 2  | 1  | — | — |
| Laryngeal Obstruction... ..          | 15 | 7  | 8  | 6  | 4  | 1 | 4 |
| Carcinoma of Larynx ... ..           | 8  | 7  | 1  | 6  | 1  | 1 | — |
| Laryagenal Tumour ... ..             | 3  | 2  | 1  | 2  | 1  | — | — |
| Foreign Body in Larynx ... ..        | 2  | 1  | 1  | 1  | 1  | — | — |
| Abscess of Larynx ... ..             | 1  | 1  | —  | 1  | —  | — | — |
| Foreign Body of Œsophagus ... ..     | 7  | 5  | 2  | 5  | 2  | — | — |
| Stricture of Œsophagus ... ..        | 2  | 2  | —  | 2  | —  | — | — |
| Malignant Disease of Œsophagus ...   | 3  | 3  | —  | —  | —  | 3 | — |
| Dysphagia ... ..                     | 1  | 1  | —  | 1  | —  | — | — |
| Gumma of Palate ... ..               | 1  | —  | 1  | —  | 1  | — | — |
| Cut Throat ... ..                    | 1  | 1  | —  | 1  | —  | — | — |
| Foreign Body in Bronchus ... ..      | 1  | —  | 1  | —  | 1  | — | — |
| Periodontitis ... ..                 | 1  | —  | 1  | —  | 1  | — | — |
| Granuloma of Nose ... ..             | 1  | 1  | —  | 1  | —  | — | — |
| Frontal Sinusitis ... ..             | 1  | 1  | —  | 1  | —  | — | — |
| Immobility of vocal cords ... ..     | 1  | 1  | —  | 1  | —  | — | — |
| Suppurative Ponsinusitis ... ..      | 1  | 1  | —  | 1  | —  | — | — |
| Hyprtrophied Turbinate ... ..        | 1  | —  | 1  | —  | 1  | — | — |
| Turbinitis ... ..                    | 1  | —  | 1  | —  | 1  | — | — |
| Suppuration of Ethmoidal Sinuses ... | 1  | 1  | —  | 1  | —  | — | — |

OPERATIONS.

OPERATIONS ON THE SKIN AND FASCIA :—

|                                   |    |    |   |    |   |   |   |
|-----------------------------------|----|----|---|----|---|---|---|
| Secondary Suture... ..            | 2  | 2  | — | 2  | — | — | — |
| Thierch's Skin Graft ... ..       | 17 | 15 | 2 | 15 | 2 | — | — |
| Plastic by :—                     |    |    |   |    |   |   |   |
| Flaps ... ..                      | 4  | 3  | 1 | 3  | 1 | — | — |
| Tube Graft ... ..                 | 1  | 1  | — | 1  | — | — | — |
| Lymphangioplasty ... ..           | 1  | 1  | — | 1  | — | — | — |
| Extraction of Foreign Body ... .. | 18 | 11 | 7 | 11 | 7 | — | — |
| Evacuation of :—                  |    |    |   |    |   |   |   |
| Acute Abscess ... ..              | 15 | 11 | 4 | 11 | 4 | — | — |
| Cold Abscess ... ..               | 18 | 15 | 3 | 11 | 3 | 4 | — |
| Excision of :—                    |    |    |   |    |   |   |   |
| Wound ... ..                      | 3  | 2  | 1 | 2  | 1 | — | — |
| Sinus ... ..                      | 4  | 3  | 1 | 3  | 1 | — | — |
| Scar... ..                        | 8  | 3  | 5 | 3  | 5 | — | — |
| Elephantiasis... ..               | 4  | 3  | 1 | 2  | 1 | 1 | — |
| Oriental Sores ... ..             | 2  | 2  | — | 2  | — | — | — |
| Other Granulomata ... ..          | 1  | 1  | — | 1  | — | — | — |
| Lipoma ... ..                     | 19 | 14 | 5 | 14 | 5 | — | — |
| Fibroma ... ..                    | 3  | 1  | 2 | 1  | 2 | — | — |
| Neurofibroma ... ..               | —  | —  | — | —  | — | — | — |
| Angioma ... ..                    | 3  | 2  | 1 | 2  | 1 | — | — |
| Rodent Ulcer... ..                | 12 | 11 | 1 | 9  | 1 | 2 | — |
| Sarcoma ... ..                    | 5  | 5  | — | 4  | — | 1 | — |
| Cyst ... ..                       | 8  | 4  | 4 | 4  | 4 | — | — |
| Tumours of unknown nature ... ..  | 2  | 2  | — | —  | — | 2 | — |
| Exploration of Tumours ... ..     | 3  | 3  | — | 3  | — | — | — |
| Ulcer ... ..                      | 4  | 3  | 1 | 3  | 1 | — | — |
| Fibromyoma ... ..                 | 1  | 1  | — | 1  | — | — | — |
| Submaxillary tumour ... ..        | 2  | 1  | 1 | 1  | 1 | — | — |



OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

OPERATIONS ON THE BLOOD VESSELS :—

|  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|
| Ligature of Bleeding points ... ..     | 2 | 2 | — | 2 | — | — | — |
| Trendelenburg's for Varicose Veins ... | 4 | 4 | — | 4 | — | — | — |
| Blood Transfusion ... ..               | 2 | 2 | — | 1 | — | 1 | — |
| Ext. Carotid Artery ... ..             | 2 | 2 | — | 2 | — | — | — |
| Arteric-venous Anastomosis ... ..      | 1 | — | 1 | — | 1 | — | — |

OPERATIONS ON THE LYMPH GLANDS :—

Excision of Tubercular Glands of :—

|               |    |    |    |    |    |   |   |
|---------------|----|----|----|----|----|---|---|
| Neck ... ..   | 77 | 39 | 38 | 39 | 35 | — | 3 |
| Axilla ... .. | 12 | —  | 12 | —  | 12 | — | — |
| Groin ... ..  | 4  | 3  | 1  | 3  | 1  | — | — |

Excision of :—

|                             |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|
| Lymphadenoma of Neck ... .. | 2 | 1 | 1 | 1 | 1 | — | — |
| Lymphosarcoma ... ..        | 1 | — | 1 | — | 1 | — | — |

OPERATIONS ON TENDONS :—

|                    |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|
| Tenotomy ... ..    | 4 | 4 | — | 4 | — | — | — |
| Tenorrhaphy ... .. | 1 | 1 | — | 1 | — | — | — |

OPERATIONS ON BONES :—

|                           |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|
| Osteotomy of Femur ... .. | 2 | 2 | — | 2 | — | — | — |
|---------------------------|---|---|---|---|---|---|---|

Wiring of :—

|                        |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|
| Mandible... ..         | 3 | 3 | — | 3 | — | — | — |
| Humerus... ..          | 1 | 1 | — | 1 | — | — | — |
| Radius and Ulna ... .. | 7 | 6 | 1 | 6 | 1 | — | — |
| Femur ... ..           | 3 | 2 | 1 | 2 | 1 | — | — |

Plating of :—

|                        |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|
| Humerus... ..          | 2 | 2 | — | 1 | — | 1 | — |
| Femur ... ..           | 3 | 3 | — | 2 | — | 1 | — |
| Tibia ... ..           | 2 | 2 | — | 2 | — | — | — |
| Radius and Ulna ... .. | 1 | 1 | — | 1 | — | — | — |

Bone Graft for :—

|                             |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|
| Fracture of Radius ... ..   | 2 | 1 | 1 | 1 | 1 | — | — |
| „ „ Humerus ... ..          | 1 | 1 | — | 1 | — | — | — |
| Wiring for Maxilla ... ..   | 2 | 1 | 1 | 1 | 1 | — | — |
| Bone Graft for Femur ... .. | 1 | 1 | — | 1 | — | — | — |

Excision of :—

|                |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|
| Ribs... ..     | 8 | 6 | 2 | 6 | 2 | — | — |
| Osteoma ... .. | 3 | 3 | — | 3 | — | — | — |
| Myoma ... ..   | 2 | 1 | 1 | 1 | 1 | — | — |
| Sarcoma ... .. | 3 | 1 | 2 | 1 | 2 | — | — |

Sequestrectomy of :—

|                   |    |    |   |    |   |   |   |
|-------------------|----|----|---|----|---|---|---|
| Malar Bone ... .. | 2  | 2  | — | 2  | — | — | — |
| Mandible ... ..   | 5  | 4  | 1 | 4  | 1 | — | — |
| Humerus ... ..    | 8  | 7  | 1 | 7  | 1 | — | — |
| Radius ... ..     | 2  | 1  | 1 | 1  | 1 | — | — |
| Ilium ... ..      | 1  | —  | 1 | —  | 1 | — | — |
| Femur ... ..      | 20 | 20 | — | 18 | — | 2 | — |
| Tibia ... ..      | 19 | 11 | 8 | 10 | 7 | 1 | 1 |
| Fibula ... ..     | 2  | 2  | — | 2  | — | — | — |
| Tarsus ... ..     | 3  | 2  | 1 | 2  | 1 | — | — |

OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

|  |    |    |    |    |   |    |   |
|--|----|----|----|----|---|----|---|
| OPERATIONS ON JOINTS :—                |    |    |    |    |   |    |   |
| Arthrotomy for :—                      |    |    |    |    |   |    |   |
| Drainage... ..                         | 4  | 2  | 2  | 2  | 2 | —  | — |
| Reduction ... ..                       | 3  | 2  | 1  | 2  | 1 | —  | — |
| Sutural Derangement ... ..             | 2  | 2  | —  | 2  | — | —  | — |
| Septic Arthritis ... ..                | 2  | 2  | —  | 2  | — | —  | — |
| Arthrectomy of :—                      |    |    |    |    |   |    |   |
| Wrist ... ..                           | 1  | 1  | —  | 1  | — | —  | — |
| Hip ... ..                             | 1  | 1  | —  | 1  | — | —  | — |
| Elbow ... ..                           | 2  | 2  | —  | 2  | — | —  | — |
| Knee ... ..                            | 6  | 5  | 1  | 4  | 1 | 1  | — |
| Amputations above :—                   |    |    |    |    |   |    |   |
| Elbow ... ..                           | 3  | 5  | —  | 4  | — | 1  | — |
| At Elbow ... ..                        | 1  | 1  | —  | 1  | — | —  | — |
| Below Elbow... ..                      | 2  | 2  | —  | 2  | — | —  | — |
| Above Knee ... ..                      | 14 | 13 | 1  | 11 | — | 2  | 1 |
| Below Knee ... ..                      | 9  | 7  | 2  | 6  | 2 | 1  | — |
| Reamputation ... ..                    | 1  | 1  | —  | 1  | — | —  | — |
| Big Toe ... ..                         | 1  | 1  | —  | 1  | — | —  | — |
| Finger ... ..                          | 1  | 1  | —  | 1  | — | —  | — |
| OPERATIONS ON THE SPINE :—             |    |    |    |    |   |    |   |
| Scraping and Bipping ... ..            | 1  | 1  | —  | 1  | — | —  | — |
| Plastic for Spina Bifida ... ..        | 1  | —  | 1  | —  | 1 | —  | — |
| Excision for Spina Bifida ... ..       | 1  | 1  | —  | 1  | — | —  | — |
| Craniectomy for Depressed Fracture ... | 79 | 69 | 10 | 51 | 9 | 18 | 1 |
| Exploration for Depressed Fracture ... | 2  | 2  | —  | 2  | — | —  | — |
| Removal of Fragments ... ..            | 3  | 2  | 1  | 1  | 1 | 1  | — |
| OPERATIONS ON THE ORBIT :—             |    |    |    |    |   |    |   |
| Evisceration ... ..                    | 2  | 2  | —  | 1  | — | 1  | — |
| Excision for Malig. Tumour ... ..      | 1  | 1  | —  | 1  | — | —  | — |
| Diathermy    ,       ,       ... ..    | 1  | 1  | —  | 1  | — | —  | — |
| OPERATIONS ON THE LIPS :—              |    |    |    |    |   |    |   |
| Plastic for Harelip ... ..             | 4  | —  | 4  | —  | 4 | —  | — |
| Excision of Epithelioma ... ..         | 3  | 3  | —  | 3  | — | —  | — |
| OPERATIONS ON THE JAWS :—              |    |    |    |    |   |    |   |
| Excision of :—                         |    |    |    |    |   |    |   |
| Simple Epulis ... ..                   | 3  | 2  | 1  | 2  | 1 | —  | — |
| Tumour of Upper Jaw... ..              | 2  | 2  | —  | 2  | — | —  | — |
| Fibrocystic Diseases ... ..            | 1  | —  | 1  | —  | 1 | —  | — |
| OPERATIONS ON THE MOUTH :—             |    |    |    |    |   |    |   |
| Excision of :—                         |    |    |    |    |   |    |   |
| Cancer of Tongue ... ..                | 1  | 1  | —  | 1  | — | —  | — |
| Ranula ... ..                          | 3  | 1  | 2  | 1  | 2 | —  | — |
| Epithelioma of Upper Jaw... ..         | 2  | —  | 2  | —  | 1 | —  | 1 |
| OPERATIONS ON BONES.—                  |    |    |    |    |   |    |   |
| Scraping of :—                         |    |    |    |    |   |    |   |
| Tibia ... ..                           | 6  | 5  | 1  | 5  | — | —  | 1 |
| Femur ... ..                           | 2  | 1  | 1  | 1  | 1 | —  | — |
| Os calcis... ..                        | 1  | 1  | —  | 1  | — | —  | — |



OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

OPERATIONS ON BONES (*contd.*):—

Scraping of:—

|                                     |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|
| Ulna ... ..                         | 2 | 1 | 1 | 1 | 1 | — | — |
| Metacarpus ... ..                   | 4 | 3 | 1 | 3 | 1 | — | — |
| Tarsus ... ..                       | 2 | 1 | 1 | 1 | 1 | — | — |
| Skull ... ..                        | 2 | 2 | — | 2 | — | — | — |
| Ribs ... ..                         | 1 | — | 1 | — | 1 | — | — |
| Sternum ... ..                      | 2 | 2 | — | 2 | — | — | — |
| Jaw ... ..                          | 2 | 1 | 1 | 1 | 1 | — | — |
| Acute Osteomyelitis drainage ... .. | 7 | 4 | 3 | 2 | 2 | 2 | 1 |

Chr. Osteomyelitis:—

|                |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|
| Femur ... ..   | 6 | 4 | 2 | 4 | 1 | — | 1 |
| Tibia ... ..   | 1 | 1 | — | 1 | — | — | — |
| Humerus ... .. | 1 | 1 | — | 1 | — | — | — |

|                                     |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|
| Extension of Fr. Femur by Callipers | 1 | 1 | — | 1 | — | — | — |
| Excision of Humerus ... ..          | 2 | 2 | — | 2 | — | — | — |
| Trimming for Compound Fracture ...  | 4 | 4 | — | 3 | — | 1 | — |
| Excision of Head of Astragalus ...  | 1 | 1 | — | 1 | — | — | — |

GENITO-URINARY OPERATIONS.—

|   |    |    |   |    |   |   |   |
|---|----|----|---|----|---|---|---|
| Cystoscopy ... ..                                   | 24 | 20 | 4 | 20 | 3 | — | 1 |
| Funiculitis (incision) ... ..                       | 3  | 3  | — | 3  | — | — | — |
| Urethral caruncle ... ..                            | 1  | —  | 1 | —  | 1 | — | — |
| Spermatocele ... ..                                 | 2  | 2  | — | 2  | — | — | — |
| Ovarian Cyst ... ..                                 | 4  | —  | 4 | —  | 3 | — | 1 |
| Tumour of Epididymis excised ... ..                 | 1  | 1  | — | 1  | — | — | — |
| T.B. Epididymitis excised ... ..                    | 5  | 5  | — | 5  | — | — | — |
| Excision of Tunica Vaginalis for<br>Gangrene ... .. | 1  | 1  | — | 1  | — | — | — |
| Undescended Testicle ... ..                         | 3  | 3  | — | 3  | — | — | — |
| Perimetric Abscess ... ..                           | 1  | —  | 1 | —  | 1 | — | — |

NERVES OPERATIONS:—

|  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|
| Stimulation ... ..   | 1 | 1 | — | 1 | — | — | — |
| Freeing ... ..   | 2 | 2 | — | 2 | — | — | — |
| Resection ... ..   | 1 | 1 | — | 1 | — | — | — |
| Stricture of Rectum Dilation ... ..                            | 2 | 2 | — | 2 | — | — | — |
| Iliac Abscess ... ..   | 7 | 6 | 1 | 6 | 1 | — | — |
| Cellulitis ... ..  | 4 | 2 | 2 | 1 | 2 | 1 | — |
| Mastoiditis ... ..   | 4 | 3 | 1 | 2 | 1 | 1 | — |
| T.B. Cervical Spine Albee's operation<br>of bone graft ... ..  | 1 | — | 1 | — | 1 | — | — |
| Fæcal Appendicular Fistula ... ..                              | 2 | 2 | — | — | — | 2 | — |
| Muscle graft ... ..  | 1 | 1 | — | 1 | — | — | — |
| Breaking Adhesions ankylosis ... ..                            | 1 | 1 | — | 1 | — | — | — |
| Tonsillectomy ... ..   | 1 | 1 | — | 1 | — | — | — |
| Scraping and biipping T.B. Gland ...                           | 1 | — | 1 | — | 1 | — | — |
| Drainage of Extra peritoneal Abscess<br>and exploration ... .. | 2 | 2 | — | 2 | — | — | — |
| Irreducible Ventral Hernia ... ..                              | 2 | — | 2 | — | 1 | — | 1 |
| Obstructed Ing. Hernia ... ..                                  | 2 | 2 | — | 2 | — | — | — |

KIDNEY OPERATIONS:—

Nephrectomy for Infection:—

|                       |   |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|---|
| Hydronephrosis ... .. | 9 | 8 | 1 | 7 | 1 | 1 | — |
| Pyonephrosis ... ..   | 9 | 6 | 3 | 4 | 3 | 2 | — |
| Tumour ... ..         | 1 | 1 | — | 1 | — | — | — |

OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

|                                       |     |     |   |    |   |   |   |
|---------------------------------------|-----|-----|---|----|---|---|---|
| BLADDER OPERATIONS :—                 |     |     |   |    |   |   |   |
| Suture for rupture ... ..             | 1   | 1   | — | —  | — | 1 | — |
| Lithotrity ... ..                     | 23  | 23  | — | 21 | — | 2 | — |
| Lithotomy :—                          |     |     |   |    |   |   |   |
| Suprapubic ... ..                     | 100 | 100 | — | 95 | — | 5 | — |
| Perineal ... ..                       | 2   | 2   | — | 2  | — | — | — |
| Suprapubic Cystotomy... ..            | 22  | 21  | 1 | 18 | 1 | 3 | — |
| Perivesical Abscess ... ..            | 1   | 1   | — | 1  | — | — | — |
| URETHRA OPERATIONS :—                 |     |     |   |    |   |   |   |
| Plastic for :—                        |     |     |   |    |   |   |   |
| Hypospadias ... ..                    | 4   | 4   | — | 4  | — | — | — |
| Epispadias Rupture ... ..             | 1   | 1   | — | 1  | — | — | — |
| Urethrotomy for :—                    |     |     |   |    |   |   |   |
| Stricture ... ..                      | 11  | 11  | — | 10 | — | 1 | — |
| Calculus ... ..                       | 2   | 2   | — | 2  | — | — | — |
| Calculus Removed by forceps ... ..    | 2   | 2   | — | 2  | — | — | — |
| Excision of Bilharzial Fistula ... .. | 41  | 41  | — | 39 | — | 2 | — |
| Suprapubic Fistula ... ..             | 2   | 2   | — | 1  | — | 1 | — |
| Stone of Ureter ... ..                | 1   | 1   | — | 1  | — | — | — |

OPERATIONS ON THE MALE GENITAL ORGANS.

|                                       |     |     |   |     |   |   |   |
|---------------------------------------|-----|-----|---|-----|---|---|---|
| TESTICLE :—                           |     |     |   |     |   |   |   |
| Eversion of Tunica for :—             |     |     |   |     |   |   |   |
| Hydrocele ... ..                      | 287 | 287 | — | 287 | — | — | — |
| Hæmatocele ... ..                     | 7   | 7   | — | 7   | — | — | — |
| Orchidectomy ... ..                   | 7   | 7   | — | 7   | — | — | — |
| Incision for inflamed Hydrocele... .. | 1   | 1   | — | 1   | — | — | — |
| SPERMATIC CORD :—                     |     |     |   |     |   |   |   |
| Excision of :—                        |     |     |   |     |   |   |   |
| Hydrocele ... ..                      | 12  | 12  | — | 12  | — | — | — |
| Varicocele ... ..                     | 52  | 52  | — | 52  | — | — | — |
| PROSTATE :—                           |     |     |   |     |   |   |   |
| Suprapubic prostatectomy ... ..       | 14  | —   | — | 9   | — | 5 | — |
| PENIS :                               |     |     |   |     |   |   |   |
| Decortication for :—                  |     |     |   |     |   |   |   |
| Bilharziasis ... ..                   | 3   | 3   | — | 3   | — | — | — |
| Phimosis ... ..                       | 2   | 2   | — | 2   | — | — | — |
| Retrovesical Fistula ... ..           | 1   | 1   | — | 1   | — | — | — |
| Diathermy for Malignant Tumour ... .. | 14  | 13  | 1 | 13  | 1 | — | — |
| Umbilical Urinary Fistula ... ..      | 1   | 1   | — | 1   | — | — | — |
| Excision of Papilloma ... ..          | 1   | 1   | — | 1   | — | — | — |
| Scraping semi membranous bursa ... .. | 1   | 1   | — | 1   | — | — | — |
| Scraping Rhinoschroma ... ..          | 1   | —   | 1 | —   | 1 | — | — |
| Ischamic Contraction (incision)... .. | 2   | 2   | — | 2   | — | — | — |
| Retroperitoneal Sarcoma ... ..        | 1   | 1   | — | —   | — | 1 | — |
| Diathermy for Madura Foot ... ..      | 1   | 1   | — | 1   | — | — | — |



OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------|--------|-------|---------|-------------|---------|-------|---------|
|          |        |       |         | Male.       | Female. | Male. | Female. |

SURGICAL IN-PATIENTS (*continued*).

|  |     |     |   |     |   |   |   |
|--|-----|-----|---|-----|---|---|---|
| SCROTUM :—                             |     |     |   |     |   |   |   |
| Excision for Elephantiasis ... ..      | 8   | 8   | — | 8   | — | — | — |
| OPERATIONS ON THE RECTUM AND ANUS :—   |     |     |   |     |   |   |   |
| Plastic for imperforate Anus ... ..    | 3   | 3   | — | 1   | — | 2 | — |
| Incision of Sphincter for anal Fissure | 6   | 5   | 1 | 5   | 1 | — | — |
| Ligature for Piles ... ..              | 117 | 109 | 8 | 109 | 8 | — | — |
| Whitehead's ... ..                     | 6   | 6   | — | 6   | — | — | — |
| Semilunar Incision for prolapse... ..  | 8   | 7   | 1 | 7   | 1 | — | — |
| Excision of :—                         |     |     |   |     |   |   |   |
| Bilharzial Masses ... ..               | 6   | 6   | — | 5   | — | 1 | — |
| Anal Fistula ... ..                    | 29  | 28  | 1 | 27  | 1 | 1 | — |
| Diathermy for Piles ... ..             | 4   | 4   | — | 4   | — | — | — |
| Carbolic for Piles ... ..              | 1   | 1   | — | 1   | — | — | — |
| Cautery for prolapse ... ..            | 3   | 3   | — | 3   | — | — | — |
| Proctoscopy ... ..                     | 2   | 2   | — | 2   | — | — | — |
| Sigmoidoscopy ... ..                   | 2   | 1   | 1 | 1   | 1 | — | — |
| Epithelioma of Anus ... ..             | 1   | 1   | — | 1   | — | — | — |
| Dilatation ... ..                      | 1   | —   | 1 | —   | 1 | — | — |

INJURIES.

|  |     |    |    |    |    |   |   |
|--|-----|----|----|----|----|---|---|
| OPERATIONS ON EXTERNAL EAR :—                  |     |    |    |    |    |   |   |
| Removal of Foreign Body... ..                  | 2   | 1  | 1  | 1  | 1  | — | — |
| Excision of Polypus ... ..                     | 3   | 3  | —  | 3  | —  | — | — |
| Cut Ear ... ..                                 | 1   | —  | 1  | —  | 1  | — | — |
| OPERATIONS ON MASTOID :—                       |     |    |    |    |    |   |   |
| Schwartz's Operation ... ..                    | 28  | 19 | 9  | 18 | 9  | 1 | — |
| Scraping of Mastoid Sinus... ..                | 2   | 1  | 1  | 1  | 1  | — | — |
| OPERATIONS ON NOSE :—                          |     |    |    |    |    |   |   |
| Resection of Septum ... ..                     | 1   | 1  | —  | 1  | —  | — | — |
| Partial Turbectomy ... ..                      | 4   | 3  | 1  | 3  | 1  | — | — |
| Excision of Polypus ... ..                     | 11  | 5  | 6  | 5  | 6  | — | — |
| Cautery to Hypertrophic Turbinitis...          | 3   | 3  | —  | 3  | —  | — | — |
| Scraping for Hypertrophic Rhinitis...          | 4   | 2  | 2  | 2  | 2  | — | — |
| Excision of Nasal Tumours... ..                | 4   | 3  | 1  | 3  | 1  | — | — |
| Rhinocopy ... ..                               | 1   | —  | 1  | —  | 1  | — | — |
| OPERATIONS ON SINUSES :—                       |     |    |    |    |    |   |   |
| Frontal Sinus ... ..                           | 2   | 2  | —  | 2  | —  | — | — |
| Ethmoidal Sinus ... ..                         | 1   | 1  | —  | 1  | —  | — | — |
| Maxillary Antrum... ..                         | 1   | 1  | —  | 1  | —  | — | — |
| OPERATIONS ON LACHRYMAL APPARATUS :—           |     |    |    |    |    |   |   |
| Dacryocystectomy ... ..                        | 1   | 1  | —  | 1  | —  | — | — |
| OPERATIONS ON PHARYNX :—                       |     |    |    |    |    |   |   |
| Quinsy (incision) ... ..                       | 1   | 1  | —  | 1  | —  | — | — |
| Tonsillectomy ... ..                           | 105 | 58 | 47 | 58 | 47 | — | — |
| Curettage of adenoida ... ..                   | 11  | 8  | 3  | 8  | 3  | — | — |
| Curettage of adenoida and Tonsillectomy ... .. | 28  | 19 | 9  | 19 | 9  | — | — |
| OPERATIONS ON LARYNX :—                        |     |    |    |    |    |   |   |
| Laryngoscopy ... ..                            | 9   | 7  | 2  | 7  | 2  | — | — |
| Removal of Foreign Body ... ..                 | 1   | —  | 1  | —  | 1  | — | — |
| Excision of Tumour ... ..                      | 3   | 3  | —  | 3  | —  | — | — |
| Dilatation of Larynx ... ..                    | 1   | —  | 1  | —  | 1  | — | — |
| OPERATIONS ON TRACHEA :—                       |     |    |    |    |    |   |   |
| Tracheotomy ... ..                             | 5   | 3  | 2  | 2  | 2  | 1 | — |

OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         |
|----------|--------|-------|---------|-------------|---------|
|          |        |       |         | Male.       | Female. |

OPERATIONS PERFORMED IN THE OPHTHALMIC THEATRE.

OPERATIONS ON THE LIDS :—

*For Skin Grafting :—*

|   |   |   |   |   |
|---|---|---|---|---|
| 3 | 2 | 1 | 2 | 1 |
|---|---|---|---|---|

*For Trachoma :—*

|                                |    |    |    |    |    |
|--------------------------------|----|----|----|----|----|
| Cauterisation ... ..           | 1  | —  | 1  | —  | 1  |
| Expression and Seraping ... .. | 80 | 58 | 22 | 58 | 22 |
| Tarsatomy ... ..               | 16 | 9  | 7  | 9  | 7  |

*For Trichiasision Entropion :—*

|                            |     |     |     |     |     |
|----------------------------|-----|-----|-----|-----|-----|
| Excision of Lashes ... ..  | 21  | 16  | 5   | 16  | 5   |
| Sneller's Operation ... .. | 426 | 281 | 145 | 281 | 145 |
| Von Mellingen's ... ..     | 120 | 63  | 57  | 63  | 57  |

*For Ectropion :—*

|                         |   |   |   |   |   |
|-------------------------|---|---|---|---|---|
| Sneller's Suture .. ... | 1 | 1 | — | 1 | — |
| Mac Callan's ... ..     | 2 | 2 | — | 2 | — |

*For Meibomian Cysts :—*

|                 |   |   |   |   |   |
|-----------------|---|---|---|---|---|
| Scraping ... .. | — | — | — | — | — |
| Excision ... .. | 7 | 4 | 3 | 4 | 3 |

*For Tumour :—*

|                 |   |   |   |   |   |
|-----------------|---|---|---|---|---|
| Excision ... .. | 4 | 4 | — | 4 | — |
|-----------------|---|---|---|---|---|

OPERATIONS ON THE BULBAR CONJUNCTIVA :—

*For Pannus :—*

|                 |    |   |   |   |   |
|-----------------|----|---|---|---|---|
| Cautery ... ..  | 3  | 3 | — | 3 | — |
| Scraping ... .. | 11 | 9 | 2 | 9 | 2 |

*For Pterygium :—*

|                        |    |    |   |    |   |
|------------------------|----|----|---|----|---|
| Transplantation ... .. | 32 | 26 | 6 | 26 | 6 |
|------------------------|----|----|---|----|---|

*For Tumours :—*

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| Excision ... ..                               | 2 | 1 | 1 | 1 | 1 |
| Subconjunctival Injections ... ..             | 6 | 5 | 1 | 5 | 1 |
| Epithelial Plaque Scraping and Cautery ... .. | 1 | 1 | — | 1 | — |

OPERATIONS ON THE LACHRYMAL APPARATUS :—

|                                       |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|
| Splitting and Canaliculisation ... .. | 2 | 2 | — | 2 | — |
| Dacryocystectomy ... ..               | 9 | 4 | 5 | 4 | 5 |

OPERATIONS ON THE CORNEA :—

|                                |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|
| Removal of Foreign Body ... .. | 3 | 3 | — | 3 | — |
| Paracentesis ... ..            | 7 | 6 | 1 | 6 | 1 |
| Staphylectomy ... ..           | 2 | 1 | 1 | 1 | 1 |

OPERATIONS ON THE LENS :—

*For Cataract :—*

|                              |    |    |    |    |    |
|------------------------------|----|----|----|----|----|
| Discission of Capsule ... .. | 2  | 1  | 1  | 1  | 1  |
| Needling ... ..              | 38 | 33 | 5  | 33 | 5  |
| Curetting Evacuation ... ..  | 16 | 9  | 7  | 9  | 7  |
| Extraction ... ..            | 70 | 43 | 27 | 43 | 27 |

*For Dislocation :—*

|                   |   |   |   |   |   |
|-------------------|---|---|---|---|---|
| Extraction ... .. | 1 | 1 | — | 1 | — |
|-------------------|---|---|---|---|---|



OPERATIONS (*continued*).

| THEATRE. | TOTAL. | Male. | Female. | DISCHARGED. |         |
|----------|--------|-------|---------|-------------|---------|
|          |        |       |         | Male.       | Female. |

OPERATIONS PERFORMED IN THE OPHTHALMIC THEATRE (*continued*).

|  |    |    |    |    |    |
|--|----|----|----|----|----|
| OPERATIONS ON IRIS :—                  |    |    |    |    |    |
| <i>Iridectomy for :—</i>               |    |    |    |    |    |
| Prolapse ... ..                        | 32 | 17 | 15 | 17 | 15 |
| Leucoma ... ..                         | 66 | 49 | 17 | 49 | 17 |
| Iritis... ..                           | 3  | 2  | 1  | 2  | 1  |
| Closed Pupil ... ..                    | 2  | 2  | —  | 2  | —  |
| Glaucoma ... ..                        | 32 | 26 | 6  | 26 | 6  |
| Cataract ... ..                        | 41 | 28 | 13 | 28 | 13 |
| Buphthalmus ... ..                     | 1  | 1  | —  | 1  | —  |
| OPERATIONS ON THE GLOBE :—             |    |    |    |    |    |
| <i>Sclerectomy for Glaucoma</i> ... .. | 4  | 4  | —  | 4  | —  |
| <i>Trephining for :—</i>               |    |    |    |    |    |
| Glaucoma ... ..                        | 37 | 30 | 7  | 30 | 7  |
| Buphthalmus ... ..                     | 1  | 1  | —  | 1  | —  |
| <i>Evisceration for :—</i>             |    |    |    |    |    |
| Panophthalmitis ... ..                 | 11 | 10 | 1  | 10 | 1  |
| <i>Enucleation for :—</i>              |    |    |    |    |    |
| Trauma ... ..                          | 1  | 1  | —  | 1  | —  |
| Staphyloma ... ..                      | 19 | 16 | 3  | 16 | 3  |
| Glaucoma ... ..                        | 3  | 2  | 1  | 2  | 1  |
| Shrunk eye ... ..                      | 2  | 2  | —  | 2  | —  |
| Tubercular exophthalmus... ..          | 1  | 1  | —  | 1  | —  |
| Retro Bulbar Tumour ... ..             | 1  | —  | 1  | —  | 1  |
| Sloughing Cornea ... ..                | 1  | 1  | —  | 1  | —  |
| LACHRYMAL FISTULA :—                   |    |    |    |    |    |
| Scraping ... ..                        | 7  | 5  | 2  | 5  | 2  |
| SAEIMISCH'S SECTION :—                 |    |    |    |    |    |
| For Ulcers ... ..                      | 5  | 5  | —  | 5  | —  |
| Tenotomy and Advancement ... ..        | 1  | 1  | —  | 1  | —  |

| DISEASES AND OTHERS. | TOTAL. | DISCHARGED. | DIED. |
|----------------------|--------|-------------|-------|
|----------------------|--------|-------------|-------|

GYNÆCOLOGICAL OPERATIONS.

|  |    |    |   |
|--|----|----|---|
| Hysterectomy ... ..                                      | 8  | 7  | 1 |
| Dilatation of Cervix ... ..                              | 79 | 79 | — |
| Curettage of Uterus ... ..                               | 80 | 80 | — |
| Anterior Colporrhaphy ... ..                             | 36 | 36 | — |
| Posterior Colpoperiniorrhaphy ... ..                     | 53 | 53 | — |
| Amputation of Cervix ... ..                              | 8  | 8  | — |
| Ovariotomy ... ..  | 14 | 14 | — |
| Ovarectomy ... ..  | 5  | 5  | — |
| Laparotomy ... ..  | 10 | 10 | — |
| Cauterization of Cervix ... ..                           | 3  | 3  | — |
| Excision of Polypus of Cervix... ..                      | 4  | 3  | 1 |
| Shorting of round Lig. (Alex. Adams<br>Operation) ... .. | 1  | 1  | — |
| Redoublement ... ..                                      | 7  | 7  | — |

OPERATIONS (continued).

| DISEASES AND OTHERS. | TOTAL. | DISCHARGED. | DIED. |
|----------------------|--------|-------------|-------|
|----------------------|--------|-------------|-------|

GYNÆCOLOGICAL OPERATIONS (continued).

|   |    |    |   |
|---|----|----|---|
| Excision of Papillema Vulva ... ..      | 1  | 1  | — |
| Salpingectomy ... ..                    | 1  | 1  | — |
| Cæsarian Section ... ..                 | 23 | 18 | 5 |
| Pairing of Fistula and Stitching ... .. | 6  | 6  | — |
| Bilharzial Papillema of Vulva ... ..    | 1  | 1  | — |
| Trachelorrhaphy ... ..                  | 2  | 2  | — |
| Pelvis Abscess ... ..                   | 1  | 1  | — |
| Salpingostomy ... ..                    | 2  | 2  | — |
| Ventrel Suspension Kelly's ... ..       | 7  | 7  | — |
| Subsectal Hysterectomy ... ..           | 2  | 2  | — |
| Posts Colpotomy ... ..                  | 1  | 1  | — |
| Salpingectomy ... ..                    | 1  | 1  | — |
| Forceps Delivey ... ..                  | 1  | 1  | — |
| Appendicectomy ... ..                   | 1  | 1  | — |
| Excision of Labia Minera ... ..         | 1  | 1  | — |
| Lawson Tait's Completer Perineorrhaphy. | 2  | 2  | — |

|  | TOTAL. | MOTHER. |       | CHILD. |             |
|--|--------|---------|-------|--------|-------------|
|  |        | Cured.  | Died. | Alive. | Still-born. |

MALGA' MATERNITY.

|                                     |     |     |   |     |    |
|-------------------------------------|-----|-----|---|-----|----|
| NORMAL LABOUR :—                    |     |     |   |     |    |
| Macerated Fœtus... ..               | 2   | 2   | — | —   | 2  |
| Twins ... ..                        | 5   | 5   | — | 7   | 2  |
| Breech presentation ... ..          | 9   | 9   | — | 7   | 2  |
| Vertex ... ..                       | 109 | 109 | — | 104 | 5  |
| DIFFICULT AND ABNORMAL LABOUR :—    |     |     |   |     |    |
| Premature ... ..                    | 10  | 10  | — | 10  | —  |
| Transverse presentation ... ..      | 1   | 1   | — | 10  | —  |
| Precipitate labour ... ..           | 1   | 1   | — | —   | 1  |
| Forceps (Vertex) :—                 |     |     |   |     |    |
| Low... ..                           | 24  | 22  | 2 | 13  | 11 |
| High ... ..                         | 11  | 10  | 1 | 5   | 6  |
| Forceps in Twins... ..              | 2   | 2   | — | 4   | —  |
| Removal of Adherent Placenta... ..  | 6   | 5   | 1 | —   | —  |
| Hydrannios ... ..                   | 3   | 3   | — | 1   | 2  |
| CÆSARIAN SECTION :—                 |     |     |   |     |    |
| P.P.H. (Pcst partum hæmorrhage) ... | 11  | 7   | 4 | 8   | 3  |
| Perforation and Crushings... ..     | 24  | 21  | 3 | —   | 24 |
| Decapitation ... ..                 | 10  | 8   | 2 | 3   | 7  |
| DISORDERS OF PREGNANCY :—           |     |     |   |     |    |
| Threatened Abortion ... ..          | 11  | 11  | — | —   | —  |
| Incomplete „ ... ..                 | 8   | 8   | — | —   | —  |
| Complete „ ... ..                   | 32  | 32  | — | —   | —  |



OPERATIONS (continued).

| DISEASES AND OTHERS. | TOTAL. | Male. | Female. | DISCHARGED. |         | DIED. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |

SKIN IN-PATIENTS.

|                                |    |    |    |    |    |   |   |
|--------------------------------|----|----|----|----|----|---|---|
| Acné vulgaris ... ..           | 2  | 1  | 1  | 1  | 1  | — | — |
| Chilbain ... ..                | 1  | 1  | —  | 1  | —  | — | — |
| Eczema ... ..                  | 67 | 54 | 13 | 54 | 13 | — | — |
| Erythema ... ..                | 2  | 2  | —  | 2  | —  | — | — |
| Exfoliative Dermatitis...      | 6  | 3  | 3  | 3  | 3  | — | — |
| Favus ... ..                   | 33 | 21 | 12 | 21 | 12 | — | — |
| Folliculitis ... ..            | 4  | 3  | 1  | 3  | 1  | — | — |
| Herpes Catarrhalis ... ..      | 1  | 1  | —  | 1  | —  | — | — |
| Herpes Zoster ... ..           | 2  | 1  | 1  | 1  | 1  | — | — |
| Hyperkeratosis ... ..          | 4  | 4  | —  | 4  | —  | — | — |
| Impetigo ... ..                | 6  | 2  | 4  | 2  | 4  | — | — |
| Leprosy ... ..                 | 2  | 2  | —  | 2  | —  | — | — |
| Leucodermia ... ..             | 1  | 1  | —  | 1  | —  | — | — |
| Lichen planus ... ..           | 3  | 1  | 2  | 1  | 2  | — | — |
| Lupus Erythematosus ... ..     | 4  | 4  | —  | 4  | —  | — | — |
| Lupus vulgaris ... ..          | 17 | 10 | 7  | 10 | 6  | — | 1 |
| Occupational Dermatitis ... .. | 2  | 2  | —  | 2  | —  | — | — |
| Onychia ... ..                 | 1  | —  | 1  | —  | 1  | — | — |
| Oriental Sore... ..            | 5  | 3  | 2  | 3  | 2  | — | — |
| Pemphigus ... ..               | 1  | —  | 1  | —  | 1  | — | — |
| Pityriasis Capitis ... ..      | 2  | 1  | 1  | 1  | 1  | — | — |
| Pityriasis Rubra ... ..        | 1  | 1  | —  | 1  | —  | — | — |
| Pitryriasis Versicolor ... ..  | 3  | 3  | —  | 3  | —  | — | — |
| Pruritus ... ..                | 2  | 2  | —  | 2  | —  | — | — |
| Prurigo ... ..                 | 13 | 9  | 4  | 9  | 4  | — | — |
| Psoriasis ... ..               | 15 | 13 | 2  | 13 | 2  | — | — |
| Pyodermia ... ..               | 20 | 16 | 4  | 15 | 4  | 1 | — |
| Ringworm ... ..                | 3  | 1  | 2  | 1  | 2  | — | — |
| Scabies ... ..                 | 40 | 37 | 3  | 37 | 2  | — | 1 |
| Sycosis ... ..                 | 7  | 7  | —  | 7  | —  | — | — |
| Tinea ... ..                   | 1  | 1  | —  | 1  | —  | — | — |
| Urticaris... ..                | 1  | 1  | —  | 1  | —  | — | — |

SYPHILIS IN-PATIENTS.

|                                       |     |     |    |     |    |   |   |
|---------------------------------------|-----|-----|----|-----|----|---|---|
| Gonorrhea ... ..                      | 155 | 138 | 17 | 138 | 17 | — | — |
| Syphilis ... ..                       | 267 | 222 | 45 | 221 | 45 | 1 | — |
| Syphilis and Gonorrhea ... ..         | 7   | 6   | 1  | 6   | 1  | — | — |
| Soft Sore ... ..                      | 4   | 4   | —  | 4   | —  | — | — |
| Big Warts of Anus ... ..              | 1   | —   | 1  | —   | 1  | — | — |
| Growth of Larynx, ear and nose ... .. | 1   | 1   | —  | 1   | —  | — | — |
| Septic Ulcer of Scrotum ... ..        | 1   | 1   | —  | 1   | —  | — | — |
| Tonsillitis and Stonmatitis ... ..    | 1   | —   | 1  | —   | 1  | — | — |

APPENDIX 1.

THE EXTERNAL MATERNITY SECTION.

During the year 1924 : 232 cases were admitted.

The following is an analysis of the work done :—

| DISEASES AND OTHERS.          | TOTAL. | CURED. | DIED. |
|-------------------------------|--------|--------|-------|
| ABNORMAL PREGNANCY :—         |        |        |       |
| Threatened Abortion ... ..    | 1      | 1      |       |
| Incomplete „ ... ..           | —      | —      | —     |
| Complete „ ... ..             | 1      | 1      | —     |
| Hydatiform Mole ... ..        | 1      | 1      | —     |
| NORMAL LABOURS :—             |        |        |       |
| Vertex Presentation ... ..    | 206    | 204    | 2     |
| Breech ... ..                 | 11     | 11     | —     |
| ABNORMAL LABOUR :—            |        |        |       |
| Transverse Presetation ... .. | 1      | 1      | —     |
| Twins ... ..                  | 4      | 4      | —     |
| OBSTRUTED LABOUR :—           |        |        |       |
| Contracted Pelvis... ..       | 2      | 2      | —     |
| PREMATURE LABOUR :—           |        |        |       |
| At 7 Months... ..             | 1      | 1      | —     |
| ABNORMAL PUERPEVIUM ... ..    | 4      | 3      | 1     |

APPENDIX II.

FOUNDLINGS.

236 Foundlings were present in the Malgaa' during the year ; of these 159 were admitted during this year, and 77 were present at the end of the previous year. The following is an analysis of the 236 Foundlings :—

|                                    |     |
|------------------------------------|-----|
| Adopted ... ..                     | 25  |
| In Malgaa' ... ..                  | 27  |
| With Mordahaas (wet nurses) ... .. | 73  |
| Struck off ... ..                  | 2   |
| At school ... ..                   | 1   |
| Claimed by relatives ... ..        | 3   |
| Died ... ..                        | 105 |
| TOTAL ... ..                       | 236 |



The following table gives the causes of death of the 105 Foundlings :—

|                                      |     |     |     |     |     |     |     |     |     |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Alimentary Diseases...               | ... | ... | ... | ... | ... | ... | ... | ... | 34  |
| Respiratory diseases                 | ... | ... | ... | ... | ... | ... | ... | ... | 32  |
| Aplastic anæmia                      | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Athrepsia and Marasmus               | ... | ... | ... | ... | ... | ... | ... | ... | 8   |
| Prematurity                          | ... | ... | ... | ... | ... | ... | ... | ... | 8   |
| Inanition                            | ... | ... | ... | ... | ... | ... | ... | ... | 3   |
| Pyæmic abscess                       | ... | ... | ... | ... | ... | ... | ... | ... | 8   |
| Intracranial hæmorrhage              | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Miliary Tuberculosis                 | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Tetanus neonatorum                   | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Status Lymphaticus                   | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Intestinal obstruction               | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Pericarditis                         | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Exposure collapse                    | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Stones of Kidney and Bladder         | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Burns (on admission)                 | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Hæmorrhage (after incision of scalp) | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Whooping cough                       | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| TOTAL                                |     |     |     |     |     |     |     |     | 105 |

APPENDIX III.

CHILDWELFARE.

272 babies attended the Childwelfare clinic during 1924 : of these 159 were present from the previous year, and 113 new babies came during this year. The following shows the attendance of the 272 babies :—

|                                     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Attended regularly                  | ... | ... | ... | ... | ... | ... | ... | ... | 158 |
| Struck off for irregular attendance | ... | ... | ... | ... | ... | ... | ... | ... | 48  |
| Struck off over age                 | ... | ... | ... | ... | ... | ... | ... | ... | 38  |
| Died                                | ... | ... | ... | ... | ... | ... | ... | ... | 28  |
| TOTAL                               |     |     |     |     |     |     |     |     | 272 |

OPERATIONS.

The total number of Operations performed in the theatres of the Hospital during the year 1924 is 3,539.

The following is an analysis of the Operations performed in each Section :—

|                      | Total. | Male. | Female. | Discharged. |         | Died. |         |
|----------------------|--------|-------|---------|-------------|---------|-------|---------|
|                      |        |       |         | Male.       | Female. | Male. | Female. |
| General Surgical     | 1509   | 1314  | 195     | 1238        | 181     | 76    | 14      |
| Nose, Ear and Throat | 233    | 145   | 88      | 143         | 88      | 2     | —       |
| Ophthalmic           | 1157   | 792   | 365     | 792         | 365     | —     | —       |
| Gynæceological       | 361    | —     | 361     | —           | 354     | —     | 7       |
| Obstetric            | 279    | —     | 279     | —           | 266     | —     | 13      |
| GRAND TOTAL          | 3539   | 2251  | 1288    | 2173        | 1254    | 78    | 34      |
|                      |        |       |         | 3,427       |         | 112   |         |

## 5.—ALEXANDRIA HOSPITAL.

### THE SCIENTIFIC OBSERVATIONS AND DEATHS.

Prostatectomy is one of Dr. Zareef Bey's (surgeon to hospital) favourite operations.

He uses Fryer's method and has performed 11 prostatectomies which were all successful and ended with complete cure, except one patient whose death was due to dysentery which followed a long time after the operation, so that we cannot consider the operation as a cause nor even an important factor of the patient's death.

All the splenectomies he has performed, seven in number, ended with complete cure.

During the year he met with two interesting cases of perforation of the intestines; one was due to dysentery and the other to typhoid, both ended with complete success. He attributes this success to the early diagnosis and immediate operation.

In pyoperitonitis cases, by washing the Peritoneal Cavity with ether and in aseptic operations by a solution of Camphor Oil 1 per cent, he found this process to be very valuable especially in preventing intraabdominal adhesions in the latter operations.

Dr. Mahmud Kamel Aly, the Medical Officer in charge of the Gynaecological and Obstetrics Section has made some valuable observations of which the following examples may be mentioned :—

He met through his work with a woman having a double uterus, one connected with a normal vagina and the other with an undeveloped vagina having no apparent cervix and filled with menstrual blood. Double hysterectomy was performed with complete success.

The Cesarean operation was performed twice, one of which was made on a woman in the 7th month of pregnancy, she had had two cesareans previously at Qasr-el-'Aini but the operation, as an emergency, was done early this time because the uterus has ruptured at the site of the old Scar of the previous operations and its contents were floating in the abdominal cavity. These contents were taken off and a hysterectomy was performed and resulted in complete cure. Two operations were made for extra-uterine gestation with successful result.

Dr. Kamel, finding that the use of stovaine as anaesthetic gave unsatisfactory results in other sections and hospitals, has stopped its use in the Gynaecological Section and replaced it by chloroform which he uses in all cases where this anaesthetic is administered by an experienced medical man.

Dr. Riad Iskandar is interested in gastro-jejunostomy. He had operated on three cases of carcinoma in the stomach, one at the cardiac end and two at the pyloric end. He performed gastro-jejunostomy on the three cases with successful results. He performed two other gastro-jejunostomies for ulcers in the stomach with successful results.

He is of the opinion that this operation should be performed more frequently than it is done at present.

Six splenectomies were performed by him, of which five were successful and one was fatal.

He says that he made some operations of transfusion of the blood which were easily and successfully performed.

### SKIN DISEASES SECTION.

Dr. Ibrahim Mustafa Sabry's observations :—

Dr. Sabry is of the opinion that the luetin reaction in cases of hereditary and tertiary syphilis gives more accurate results than the Wasserman reaction as in 95 per cent of cases, it is positive, where the Wasserman is negative.

He tried Pot. Iod. in cases of leprosy and noticed a rise of temperature similar to that of malaria, but when put on Quinine the temperature dropped down. This was observed in an early and in a late stage of the disease.

He tried X-rays in cases of Keloid after removal of the scar but he cannot yet give a decisive opinion as to the value of this treatment.

He states that he succeeded in suppressing the pellagric rash by exposing it to X-rays. A remarkable improvement takes place within two weeks and the rash disappears one week later.



He says that he has obtained excellent results by exposing the Lupus Vulgaris cases to X-rays after scraping their lesions.

### ELECTRICAL DEPARTMENT.

*Dr. Afifi.*—In spite of the lack of a complete X-ray set in this Department, Dr. Afifi is able to make the following observations :—

A patient suffering from hemiplegia of 2 months duration was cured after a course of two months electric treatment.

Another case of nervous disturbance, general debility with numbness of extremities and sense of heat in the right side was cured by electricity after three sittings.

A case of abdominal fistula of one year's duration following an operation for ovarian cyst is being treated by zinc ionization. The pus has decreased and the patient is still under treatment and the fistula did not close yet.

### LOCK HOSPITAL.

*Dr. Ameen Sidhom.*—He recommends intravenous injections of lantol in cases of acute gonorrhea, he believes that after 4 days of the lantol treatment, accompanied by general and local treatment, the pain in cases of ovaritis and salpingo-œphoritis disappears.

He insists that the patient should be given complete rest and milk diet and laxatives daily, and the application of ice and hot water bags alternately on the hypogastric region as well as hot vaginal douches every 4 hours. He should also be given 5 grammes of sodium salicylate daily.

### OPHTHALMIC SECTION.

All cases of interest in this section are communicated to the Ophthalmic Service of the Central Administration and are delivered in lectures at the Annual Meetings of the Ophthalmic Society and therefore they were omitted here.

### RETURN OF DEATHS OCCURING IN THE HOSP. DURING THE YEAR 1924.

| NO. OF DEATHS. | CAUSE OF DEATH.                  | NO. OF DEATHS. | CAUSE OF DEATH.          |
|----------------|----------------------------------|----------------|--------------------------|
|                | DIGESTIVE SYSTEM.                |                | DISEASES OF METABOLISM.  |
| 8              | Diseases of the Liver.           | 1              | Diabetes.                |
| 2              | Diseases of the Stomach.         | 12             | Senility.                |
| 7              | T.B. Peritonitis.                | 30             | General debility.        |
| 6              | Dysentery.                       |                | PARASITIC DISEASES.      |
| 16             | Diarrhœa and Enteritis.          | 15             | Pellagra.                |
| 1              | Piles.                           | 2              | Ankylostoma.             |
| 1              | Other diseases.                  | 4              | Billharsia               |
|                | DISEASES OF THE RESPIR. SYS.     | 12             | Poisons.                 |
| 33             | Pneumonia.                       | 4              | Other Med. diseases.     |
| 48             | T.B.                             | 70             | Accidents.               |
| 3              | Pleurisy.                        | 82             | Burns.                   |
| 9              | Other diseases.                  | 8              | Malignant tumours.       |
|                | DISEASES OF THE CIRCULATORY SYS. | 4              | Simple Fractures.        |
| 60             | Diseases of the heart.           | 5              | Comp. "                  |
|                | NERVOUS DISEASES.                | 2              | Appendicitis.            |
| 6              | Diseases of the Brain.           | 2              | Liver Abscess.           |
| 1              | " " Spinal Cord.                 | 9              | Hernia.                  |
| 5              | Other diseases.                  | 46             | Other Surgical diseases. |
| 5              | Diseases of the Spleen.          | 6              | Delivery.                |
| 2              | Diseases of the Blood.           | 4              | Gynaecological diseases. |
|                | DISEASES OF THE KIDNEY.          | 2              | Diseases of the Skin.    |
| 13             | Nephritis.                       | 2              | Syphilis.                |
| 1              | Other diseases.                  | 36             | Fevers.                  |
|                |                                  | 1              | Relatives of Patients.   |
|                |                                  | 1              | Foundling.               |
|                |                                  | 2              | Supra Pubic Lithotomy.   |

It is to be noted that the majority of deaths are due to heart diseases, T.B., Pneumonia, general debility, accidents, burns, some surgical complications, so that if we count the deaths due to the above causes only, we will find them to be 369 of the total number of deaths.

The high rate of mortality among the above patients is due to the general debility of most of them, as they are poor and of a low class from a hygienic point of view. This factor (general debility) is the hindrance in the way of successful treatment, either surgical or medical, as it clearly appears from the following statistical tables.

TABLE I.—SHOWING MONTHLY ADMISSIONS IN 1924.

| MONTH.           | MALE. | FEMALE. | TOTAL. |
|------------------|-------|---------|--------|
| January ... ..   | 478   | 128     | 606    |
| February ... ..  | 462   | 132     | 594    |
| March ... ..     | 568   | 159     | 727    |
| April ... ..     | 487   | 144     | 631    |
| May ... ..       | 573   | 172     | 745    |
| June ... ..      | 644   | 180     | 824    |
| July ... ..      | 705   | 164     | 869    |
| August ... ..    | 733   | 214     | 947    |
| September ... .. | 742   | 218     | 960    |
| October ... ..   | 662   | 167     | 829    |
| November ... ..  | 518   | 133     | 651    |
| December ... ..  | 481   | 137     | 618    |
| TOTAL ... ..     | 7,053 | 1,948   | 9,001  |

TABLE II.—OUT-PATIENTS IN 1924.

| A. NEW CASES.    |        |         |        |                     | B. OLD CASES.    |        |         |        |
|------------------|--------|---------|--------|---------------------|------------------|--------|---------|--------|
| MONTH.           | MALE.  | FEMALE. | TOTAL. |                     | MONTH.           | MALE.  | FEMALE. | TOTAL. |
| January ... ..   | 1,306  | 1,185   | 2,491  | Grand Total: 88,873 | January ... ..   | 2,657  | 1,912   | 4,569  |
| February ... ..  | 1,324  | 1,099   | 2,423  |                     | February ... ..  | 2,953  | 1,759   | 4,712  |
| March ... ..     | 1,389  | 1,332   | 2,721  |                     | March ... ..     | 3,019  | 2,038   | 5,057  |
| April ... ..     | 1,296  | 1,171   | 2,467  |                     | April ... ..     | 2,676  | 1,747   | 4,423  |
| May ... ..       | 2,169  | 2,031   | 4,200  |                     | May ... ..       | 3,016  | 2,062   | 5,078  |
| June ... ..      | 1,324  | 1,099   | 2,423  |                     | June ... ..      | 2,593  | 1,759   | 4,352  |
| July ... ..      | 1,633  | 1,454   | 3,087  |                     | July ... ..      | 2,530  | 1,309   | 3,839  |
| August ... ..    | 1,807  | 1,654   | 3,461  |                     | August ... ..    | 2,296  | 1,591   | 3,887  |
| September ... .. | 1,913  | 1,699   | 2,612  |                     | September ... .. | 2,557  | 1,734   | 4,291  |
| October ... ..   | 1,779  | 1,576   | 3,355  |                     | October ... ..   | 2,451  | 1,920   | 4,371  |
| November ... ..  | 1,504  | 1,392   | 2,896  |                     | November ... ..  | 2,331  | 2,229   | 4,560  |
| December ... ..  | 1,316  | 1,339   | 2,655  |                     | December ... ..  | 2,051  | 1,892   | 3,943  |
| TOTAL ... ..     | 18,760 | 17,031  | 35,791 |                     |                  | 31,130 | 21,952  | 53,082 |

TABLE III.—OUT-PATIENTS (*Males and Females*) IN 1924.

| MONTH.           | MALES. |        |        | FEMALES. |        |        |
|------------------|--------|--------|--------|----------|--------|--------|
|                  | NEW.   | OLD.   | TOTAL. | NEW.     | OLD.   | TOTAL. |
| January ... ..   | 1,306  | 2,657  | 3,963  | 1,185    | 1,912  | 3,097  |
| February ... ..  | 1,324  | 2,953  | 3,917  | 1,099    | 1,759  | 2,858  |
| March ... ..     | 1,389  | 3,019  | 4,418  | 1,332    | 2,038  | 3,370  |
| April ... ..     | 1,296  | 2,676  | 3,972  | 1,171    | 1,747  | 2,918  |
| May ... ..       | 2,169  | 3,016  | 5,185  | 2,031    | 2,062  | 4,093  |
| June ... ..      | 2,593  | 1,324  | 3,917  | 1,759    | 1,099  | 2,858  |
| July ... ..      | 1,633  | 2,530  | 4,163  | 1,454    | 1,309  | 2,763  |
| August ... ..    | 1,807  | 2,296  | 4,103  | 1,654    | 1,591  | 3,245  |
| September ... .. | 1,913  | 2,557  | 4,470  | 1,699    | 1,734  | 3,433  |
| October ... ..   | 1,779  | 2,451  | 4,230  | 1,576    | 1,920  | 3,496  |
| November ... ..  | 1,504  | 2,331  | 3,835  | 1,392    | 2,229  | 3,621  |
| December ... ..  | 1,316  | 2,051  | 3,367  | 1,339    | 1,892  | 3,231  |
| Total .. ..      | 18,760 | 31,130 | 49,890 | 17,031   | 21,952 | 38,983 |



TABLE IV.—OUT-PATIENTS ANNEX OF BILHARZIA.

|  |     |         |
|--|-----|---------|
| Cases remaining from 1923 ... ..                       | 24  | } = 453 |
| New cases in 1924 ... ..                               | 429 |         |
| Cases who did not continue treatment during 1924... .. | 195 | } = 453 |
| Cured ... ..   | 227 |         |
| Still under treatment at the end of 1924 ... ..        | 31  |         |

*Details.*

The number of patients cured was 227 classified as follows :—

212 attended regularly during the year 1924 until they were cured.

15 were remaining from the year 1923 and attended regularly until they were cured.

227 Total.

It is to be noted that out of the 227 patients who were cured :—

20 were suffering from Bilharziasis of bladder and rectum.

205 were suffering from vesical Bilarziasis.

2 were suffering from Heaniaturia, difficult micturition but in spite of several examinations of the urine and faeces for Bilharzial Ova with negative results, the symptoms disappeared on giving the Tarter Emetic injections.

227 Total.

Out of the above-mentioned 227 cases :—

64 patients were army, police and costguard's men, Government and Municipality employees and students.

163 civilians, most of them were peasants coming to Alexandria.

227 Total.

Those who did not continue the treatment were 195 classified as follows :—

186 reported themselves to hospital during the year 1924.

9 were of the year 1923 patients and did not continue their course of treatment during 1924.

195 Total.

The average number of injections given to those irregular patients was between 3 and 8 injections and the result of examining them was as follows :—

17 patients were suffering from Bilharziasis of Bladder and Rectum.

8 „ „ Rectal Bilharzia.

170 „ „ Vesical Bilharzia.

195 Total.

164 of the said patients were civilians.

31 were soldiers, students and Government employees.

195 Total.

The number of those remaining from the year 1923 was 24 classified as hereunder :—

15 were cured.

9 did not continue the treatment as above referred to.

24 Total.

*Recapitulation and Further Details.*

Total number of patients detailed above is :—

429 men and women of different ages out of which :—

12 women were cured.

8 women did not continue their treatment.

Total ... 20 Women.

„ ... 409 Men.

It can be deduced from the above details that the vesical affections were by far more than the number of rectal ones, and that the number of women was very low compared with that of men. The attendance of the soldiers, Government employees and students was much more regular than the others if we take into consideration the number of each.

EXAMINATION OF PATIENTS.

When a patient comes to the Out-Patients Department suffering from difficult micturition with or without hæmaturia, he is asked to get a sample of his urine for examination and if it is found to be positive for Bilharzial Ova, he is then instructed to attend the annex, and after having undergone the treatment of 12 tartar Emetic injections, his urine is examined again and if found free from Bilharzial Ova or the Ova are dead, he is then considered cured.

BILHARZIA PATIENTS WHO WERE TREATED IN HOSPITALS AS IN-PATIENTS :—

| Remaining from 1923 |        | New cases of 1924 |        |
|---------------------|--------|-------------------|--------|
| Male                | Female | Male              | Female |
| 10                  | 3      | 133               | 6      |
| Total : 13          |        | 139               |        |
| Grand Total :       |        | 152               |        |

DISCHARGED FROM HOSPITAL :—

| Cured.        |    | Relieved. |    | Unrelieved. |    | Died. |    | Remaining. |    |
|---------------|----|-----------|----|-------------|----|-------|----|------------|----|
| M.            | F. | M.        | F. | M.          | F. | M.    | F. | M.         | F. |
| 51            | 1  | 76        | 6  | 3           | 2  | 4     | 0  | 9          | 0  |
| Total : 52    |    | 82        |    | 5           |    | 4     |    | 9          |    |
| Grand Total : |    | 152       |    |             |    |       |    |            |    |

*N.B.*—The patients who were relieved were all sent to the Out-patients Department.



TABLE V.—BILHARZIASIS IN-PATIENTS.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GRAND<br>Total. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-----------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                 |
| January ... ..   | 9      | —  | 5         | —  | 1           | 1  | —     | —  | 15     | 1  | 16              |
| February ... ..  | 7      | —  | —         | —  | —           | —  | —     | —  | 7      | —  | 7               |
| March ... ..     | 6      | —  | 5         | —  | —           | —  | —     | —  | 11     | —  | 11              |
| April ... ..     | 7      | —  | 1         | —  | —           | —  | —     | —  | 8      | —  | 8               |
| May ... ..       | 4      | —  | 5         | 3  | —           | 1  | —     | —  | 9      | 4  | 13              |
| June ... ..      | 2      | —  | 2         | —  | —           | —  | —     | —  | 4      | —  | 4               |
| July ... ..      | 2      | —  | 7         | —  | 1           | —  | —     | —  | 10     | —  | 10              |
| August ... ..    | 2      | —  | 11        | —  | —           | —  | 2     | —  | 15     | —  | 15              |
| September ... .. | 5      | 1  | 13        | 1  | —           | —  | 1     | —  | 19     | 2  | 21              |
| October ... ..   | 3      | —  | 10        | 1  | 1           | —  | —     | —  | 14     | 1  | 15              |
| November ... ..  | 3      | —  | 11        | —  | —           | —  | —     | —  | 14     | —  | 14              |
| December ... ..  | 1      | —  | 6         | 1  | —           | —  | 1     | —  | 8      | 1  | 9               |
| TOTAL ... ..     | 51     | 1  | 76        | 6  | 3           | 2  | 4     | —  | 134    | 9  | 143             |

TABLE VI.—SHOWING LUNATICS SENT TO CAIRO DURING THE YEAR 1924  
AND THOSE WHO WERE FOUND SANE.

| MONTH.           | PATIENTS<br>SENT TO CAIRO. |    |                      |    | OTHER CASES. |    |             |    |               |    |       |    |        |    | GENERAL<br>TOTAL. |
|------------------|----------------------------|----|----------------------|----|--------------|----|-------------|----|---------------|----|-------|----|--------|----|-------------------|
|                  | By the<br>Police.          |    | Through<br>the Hosp. |    | Cured.       |    | Unrelieved. |    | Still insane. |    | Died. |    | Total. |    |                   |
|                  | M.                         | F. | M.                   | F. | M.           | F. | M.          | F. | M.            | F. | M.    | F. | M.     | F. |                   |
| January... ..    | 2                          | 2  | 3                    | —  | —            | —  | —           | —  | 3             | 1  | —     | —  | 8      | 3  | 11                |
| February ... ..  | 3                          | 1  | 2                    | —  | —            | —  | 1           | 2  | —             | —  | —     | —  | 6      | 3  | 9                 |
| March ... ..     | 5                          | 2  | 2                    | 1  | —            | —  | 1           | —  | 5             | —  | —     | —  | 13     | 3  | 16                |
| April ... ..     | 4                          | —  | 2                    | 2  | —            | —  | 1           | —  | 2             | 1  | —     | —  | 9      | 3  | 12                |
| May ... ..       | 4                          | 1  | 5                    | 2  | —            | —  | 2           | 1  | 4             | —  | —     | —  | 15     | 4  | 19                |
| June ... ..      | 6                          | —  | 2                    | 2  | —            | —  | 1           | 1  | 5             | 2  | —     | —  | 14     | 5  | 19                |
| July ... ..      | 3                          | 1  | 6                    | 2  | —            | —  | —           | —  | 2             | 1  | —     | —  | 11     | 4  | 15                |
| August ... ..    | 1                          | —  | 5                    | 2  | —            | —  | 2           | —  | 3             | 1  | —     | —  | 11     | 3  | 14                |
| September ... .. | 2                          | —  | 1                    | 1  | —            | —  | —           | —  | 4             | 7  | —     | —  | 7      | 8  | 15                |
| October ... ..   | 7                          | 1  | 3                    | 4  | —            | —  | —           | —  | 5             | —  | —     | —  | 15     | 5  | 20                |
| November ... ..  | 5                          | 1  | 2                    | 1  | —            | —  | —           | —  | 2             | —  | —     | —  | 9      | 2  | 11                |
| December ... ..  | 14                         | 3  | —                    | —  | —            | —  | —           | —  | —             | —  | —     | —  | 14     | 3  | 17                |
| TOTAL ... ..     | 56                         | 12 | 33                   | 17 | —            | —  | 8           | 4  | 35            | 13 | —     | —  | 132    | 46 | 178               |

TABLE VII.—LUNATICS ADMITTED IN 1924.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | 8           | 3  | —     | —  | 8      | 3  | 11                |
| February ... ..  | —      | —  | —         | —  | 5           | 1  | —     | —  | 5      | 1  | 6                 |
| March ... ..     | —      | —  | —         | —  | 12          | 3  | —     | —  | 12     | 3  | 15                |
| April ... ..     | —      | —  | —         | —  | 8           | 3  | —     | —  | 8      | 3  | 11                |
| May ... ..       | —      | —  | —         | —  | 13          | 3  | —     | —  | 13     | 3  | 16                |
| June ... ..      | —      | —  | —         | —  | 13          | 4  | —     | —  | 13     | 4  | 17                |
| July ... ..      | —      | —  | —         | —  | 11          | 4  | —     | —  | 11     | 4  | 15                |
| August ... ..    | —      | —  | —         | —  | 9           | 3  | —     | —  | 9      | 3  | 12                |
| September ... .. | —      | —  | —         | —  | 7           | 8  | —     | —  | 7      | 8  | 15                |
| October ... ..   | —      | —  | —         | —  | 15          | 5  | —     | —  | 15     | 5  | 20                |
| November ... ..  | —      | —  | —         | —  | 9           | 2  | —     | —  | 9      | 2  | 11                |
| December ... ..  | —      | —  | —         | —  | 14          | 3  | —     | —  | 14     | 3  | 17                |
| TOTAL ... ..     | —      | —  | —         | —  | 124         | 42 | —     | —  | 124    | 42 | 166               |

N.B.—“M” denotes Masculine and “F” denotes Feminine.





TABLE IX.—SHOWING THE MONTHLY DISCHARGES OF PATIENTS DURING 1924.

| MONTH.           | CURED. |         |        | IMPROVED. |         |        | UNRELIEVED. |         |        | DIED. |         |        | TOTAL. |         | GENERAL<br>TOTAL. |
|------------------|--------|---------|--------|-----------|---------|--------|-------------|---------|--------|-------|---------|--------|--------|---------|-------------------|
|                  | Male.  | Female. | Total. | Male.     | Female. | Total. | Male.       | Female. | Total. | Male. | Female. | Total. | Male.  | Female. |                   |
| January ... ..   | 201    | 49      | 250    | 194       | 41      | 235    | 21          | 12      | 33     | 32    | 14      | 46     | 448    | 116     | 564               |
| February ... ..  | 238    | 85      | 323    | 188       | 24      | 212    | 23          | 11      | 34     | 30    | 9       | 39     | 479    | 129     | 608               |
| March ... ..     | 249    | 90      | 339    | 217       | 52      | 269    | 33          | 11      | 44     | 39    | 12      | 51     | 538    | 165     | 703               |
| April ... ..     | 227    | 76      | 303    | 205       | 48      | 253    | 41          | 17      | 58     | 45    | 11      | 56     | 518    | 152     | 670               |
| May ... ..       | 252    | 79      | 331    | 201       | 43      | 244    | 43          | 10      | 53     | 30    | 15      | 45     | 526    | 147     | 673               |
| June ... ..      | 272    | 108     | 380    | 292       | 60      | 352    | 42          | 14      | 56     | 43    | 18      | 61     | 649    | 200     | 849               |
| July ... ..      | 328    | 118     | 446    | 293       | 33      | 326    | 41          | 12      | 53     | 40    | 14      | 54     | 702    | 177     | 879               |
| August ... ..    | 357    | 114     | 471    | 307       | 48      | 355    | 35          | 11      | 46     | 36    | 13      | 49     | 735    | 186     | 921               |
| September ... .. | 355    | 123     | 478    | 297       | 61      | 358    | 37          | 11      | 48     | 42    | 20      | 62     | 731    | 215     | 946               |
| October ... ..   | 321    | 98      | 419    | 293       | 66      | 359    | 26          | 11      | 37     | 41    | 14      | 55     | 681    | 189     | 870               |
| November... ..   | 273    | 103     | 376    | 244       | 25      | 269    | 19          | 6       | 25     | 21    | 11      | 32     | 557    | 145     | 702               |
| December... ..   | 224    | 62      | 286    | 212       | 85      | 247    | 20          | 8       | 28     | 21    | 18      | 39     | 477    | 123     | 600               |
| TOTAL ... ..     | 3,297  | 1,105   | 4,402  | 2,943     | 536     | 3,479  | 381         | 134     | 515    | 420   | 169     | 589    | 7,041  | 1,944   | 8,985             |

TABLE X.—SHOWING THE NUMBER OF RELATIVES ACCOMPANYING PATIENTS.

| MONTH.           | CURED. |     | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |     | GENERAL<br>TOTAL. |
|------------------|--------|-----|-----------|----|-------------|----|-------|----|--------|-----|-------------------|
|                  | M.     | F.  | M.        | F. | M.          | F. | M.    | F. | M.     | F.  |                   |
| January ... ..   | 4      | 6   | —         | —  | —           | —  | —     | —  | 4      | 6   | 10                |
| February ... ..  | 3      | 16  | —         | —  | —           | —  | —     | —  | 8      | 16  | 19                |
| March ... ..     | 6      | 22  | —         | —  | —           | —  | 1     | —  | 7      | 22  | 29                |
| April ... ..     | 3      | 16  | —         | —  | —           | —  | —     | —  | 3      | 16  | 19                |
| May ... ..       | 5      | 16  | —         | —  | —           | —  | —     | —  | 5      | 16  | 21                |
| June ... ..      | 8      | 32  | —         | —  | —           | —  | —     | —  | 8      | 32  | 40                |
| July ... ..      | 5      | 27  | —         | —  | —           | —  | —     | —  | 5      | 27  | 32                |
| August ... ..    | 19     | 35  | —         | —  | —           | —  | —     | —  | 19     | 35  | 54                |
| September ... .. | 8      | 38  | —         | —  | —           | —  | —     | —  | 8      | 38  | 46                |
| October ... ..   | 7      | 24  | —         | —  | —           | —  | —     | —  | 7      | 24  | 31                |
| November ... ..  | 5      | 32  | —         | —  | —           | —  | —     | —  | 5      | 32  | 37                |
| December ... ..  | 8      | 27  | —         | —  | —           | —  | —     | —  | 8      | 27  | 35                |
| TOTAL ... ..     | 81     | 291 | —         | —  | —           | —  | 1     | —  | 82     | 291 | 373               |

TABLE XI.—SHOWING THE FOUNDLINGS ADMITTED DURING 1924.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 1      | 1  | —         | —  | —           | —  | —     | —  | 1      | 1  | 2                 |
| February ... ..  | 4      | 3  | —         | —  | —           | —  | —     | —  | 4      | 3  | 7                 |
| March ... ..     | 3      | 3  | —         | —  | —           | —  | 1     | —  | 4      | 3  | 7                 |
| April ... ..     | —      | 2  | —         | —  | —           | —  | —     | —  | —      | 2  | 2                 |
| May ... ..       | 3      | —  | —         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| June ... ..      | 1      | 3  | —         | —  | —           | —  | —     | —  | 1      | 3  | 4                 |
| July ... ..      | —      | 1  | —         | —  | —           | —  | —     | —  | —      | 1  | 1                 |
| August ... ..    | —      | 2  | —         | —  | —           | —  | —     | —  | —      | 2  | 2                 |
| September ... .. | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| October ... ..   | 1      | 2  | —         | —  | —           | —  | —     | —  | 1      | 2  | 3                 |
| November ... ..  | 1      | 4  | —         | —  | —           | —  | —     | —  | 1      | 4  | 5                 |
| December ... ..  | —      | 2  | —         | —  | —           | —  | —     | —  | —      | 2  | 2                 |
| TOTAL ... ..     | 14     | 23 | —         | —  | —           | —  | 1     | —  | 15     | 23 | 38                |

TABLE XII.—BARBERS AND DAYAS TRAINED IN 1924.

| BARBERS. |                              |         |                             | DAYAS. |                              |         |                             |
|----------|------------------------------|---------|-----------------------------|--------|------------------------------|---------|-----------------------------|
| No.      | Succeeded in<br>Examination. | Failed. | Did not attend<br>lectures. | No.    | Succeeded in<br>Examination. | Failed. | Did not attend<br>lectures. |
| 17       | 16                           | 1       | —                           | 40     | 36                           | 1       | 3                           |



TABLE XIII.—ON INFECTIOUS DISEASES.

| DISEASES.   | CURED. | TRANSFERRED. | DIED. | TOTAL. |
|---|--------|--------------|-------|--------|
| Typhus ... ..   | 11     | —            | 2     | 13     |
| Relapsing Fever ... ..  | 1      | —            | —     | 1.     |
| Under Observation ... ..  | 96     | —            | 3     | 99     |
| Influenza ... ..  | 89     | —            | 2     | 91     |
| Small-pox ... ..  | 8      | —            | —     | 8      |
| Chicken Pox ... ..  | 4      | —            | —     | 4      |
| Mumps ... ..  | 18     | —            | —     | 18     |
| Meningitis ... ..   | 1      | —            | 3     | 4      |
| Scarlet Fever ... ..  | 1      | —            | —     | 1      |
| Measles ... ..  | 5      | —            | —     | 5      |
| Diphtheria ... ..   | 12     | —            | 8     | 20     |
| Plague ... ..   | 2      | —            | 1     | 3      |
| Erysipelas ... ..   | 69     | —            | 3     | 72     |
| Tetanus ... ..  | 6      | —            | 7     | 13     |
| Typhoid ... ..  | 26     | —            | 4     | 30     |
| Paratyphoid ... ..  | 38     | —            | 3     | 41     |
| Sunstroke ... ..  | 4      | —            | —     | 4      |
| Simple Fever ... ..   | 10     | —            | —     | 10     |
| Contacts of Infect. Dis. cases suffering from un-<br>infectious Diseases ... .. | 4      | —            | —     | 4      |
| Rabies ... ..   | —      | —            | —     | —      |
| Puerperal Fever ... ..  | —      | —            | —     | —      |
| Relatives ... ..  | 2      | —            | —     | 2      |
| TOTAL ... ..  | 407    | —            | 36    | 443    |

TABLE NO. XIV.—PATIENTS SUFFERING FROM FEVERS (*without details.*)

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 24     | 5  | —         | —  | —           | —  | 2     | —  | 26     | 5  | 31                |
| February ... ..  | 23     | 5  | —         | —  | —           | —  | 1     | 1  | 24     | 6  | 30                |
| March ... ..     | 25     | 4  | —         | —  | —           | —  | 3     | —  | 28     | 4  | 32                |
| April ... ..     | 28     | 8  | —         | —  | —           | —  | 2     | 1  | 30     | 9  | 39                |
| May ... ..       | 20     | 6  | —         | —  | —           | —  | 2     | —  | 22     | 6  | 28                |
| June ... ..      | 30     | 5  | —         | —  | —           | —  | 6     | 2  | 36     | 7  | 43                |
| July ... ..      | 32     | 5  | —         | —  | —           | —  | 3     | 1  | 35     | 6  | 41                |
| August ... ..    | 23     | 3  | —         | —  | —           | —  | 1     | 1  | 24     | 4  | 28                |
| September ... .. | 33     | 2  | —         | —  | —           | —  | 5     | 1  | 38     | 3  | 41                |
| October ... ..   | 35     | 3  | —         | —  | —           | —  | 2     | —  | 37     | 3  | 40                |
| November ... ..  | 40     | 6  | —         | —  | —           | —  | —     | —  | 40     | 6  | 46                |
| December ... ..  | 33     | 3  | —         | —  | —           | —  | —     | 2  | 33     | 5  | 38                |
| TOTAL ... ..     | 346    | 55 | —         | —  | —           | —  | 27    | 9  | 373    | 64 | 437               |

TABLE XV.—SHOWING CASES OF POISONING TREATED IN HOSP. DURING YEARS 1923 AND 1924.

| POISON.              | POISON<br>TREATED<br>DURING 1923. | CURED. | DIED. | TREATED<br>DURING 1924. | CURED. | DIED. |
|----------------------|-----------------------------------|--------|-------|-------------------------|--------|-------|
| Alcohol ... ..       | 94                                | 94     | —     | 142                     | 140    | 2     |
| Datura ... ..        | —                                 | —      | —     | 8                       | 8      | —     |
| Cocaine ... ..       | 19                                | 19     | —     | 11                      | 11     | —     |
| Heroine ... ..       | —                                 | —      | —     | 5                       | 4      | 1     |
| Other poisons ... .. | 136                               | 130    | 6     | 93                      | 82     | 11    |
| TOTAL ... ..         | 249                               | 243    | 6     | 259                     | 245    | 14    |

TABLE XVI.—SHOWING OTHER MEDICAL DISEASES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 4      | 1  | 4         | —  | —           | —  | —     | —  | 8      | 1  | 9                 |
| February ... ..  | 3      | —  | 1         | 1  | —           | —  | 1     | —  | 5      | 1  | 6                 |
| March ... ..     | 8      | —  | 4         | —  | —           | —  | 1     | —  | 18     | —  | 13                |
| April ... ..     | 5      | 1  | 2         | 1  | —           | —  | 1     | —  | 8      | 2  | 10                |
| May ... ..       | 5      | 1  | 1         | —  | —           | —  | 1     | —  | 7      | 1  | 8                 |
| June ... ..      | 7      | 2  | 2         | —  | —           | —  | —     | —  | 9      | 2  | 11                |
| July ... ..      | 13     | —  | 4         | —  | —           | —  | —     | —  | 17     | —  | 17                |
| August... ..     | 8      | 3  | —         | —  | —           | —  | —     | —  | 8      | 3  | 11                |
| September ... .. | 10     | 5  | 1         | —  | —           | —  | —     | —  | 11     | 5  | 16                |
| October ... ..   | 5      | 1  | 2         | —  | —           | —  | —     | —  | 7      | 1  | 8                 |
| November ... ..  | 3      | 2  | 3         | 2  | —           | —  | —     | —  | 6      | 4  | 10                |
| December ... ..  | 2      | 1  | —         | —  | —           | 1  | —     | —  | 2      | 2  | 4                 |
| TOTAL ... ..     | 73     | 17 | 24        | 4  | —           | 1  | 4     | —  | 101    | 22 | 123               |

TABLE XVII.—SHOWING PERSONS UNDER OBSERVATION WHO WERE FOUND TO HAVE NO DISEASES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 8      | 2  | —         | —  | —           | —  | —     | —  | 8      | 2  | 10                |
| February ... ..  | 10     | 4  | —         | —  | —           | —  | —     | —  | 10     | 4  | 14                |
| March ... ..     | 2      | 4  | —         | —  | —           | —  | —     | —  | 2      | 4  | 6                 |
| April ... ..     | 6      | 6  | —         | —  | —           | —  | —     | —  | 6      | 6  | 12                |
| May ... ..       | 4      | 6  | —         | —  | —           | —  | —     | —  | 4      | 6  | 10                |
| June ... ..      | 3      | 3  | —         | —  | —           | —  | —     | —  | 3      | 3  | 6                 |
| July ... ..      | 8      | 10 | —         | —  | —           | —  | —     | —  | 8      | 10 | 18                |
| August... ..     | 5      | 7  | —         | —  | —           | —  | —     | —  | 5      | 7  | 12                |
| September ... .. | 9      | 8  | —         | —  | —           | —  | —     | —  | 9      | 8  | 17                |
| October ... ..   | 5      | 3  | —         | —  | —           | —  | —     | —  | 5      | 3  | 8                 |
| November ... ..  | 2      | 4  | —         | —  | —           | —  | —     | —  | 2      | 4  | 6                 |
| December ... ..  | 3      | 2  | —         | —  | —           | —  | —     | —  | 3      | 2  | 5                 |
| TOTAL ... ..     | 65     | 59 | —         | —  | —           | —  | —     | —  | 65     | 59 | 124               |

TABLE XVIII.—SHOWING TRAUMATIC INJURIES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 7      | 4  | 25        | 3  | —           | 1  | 4     | 1  | 36     | 9  | 45                |
| February ... ..  | 8      | 2  | 34        | 3  | —           | —  | —     | 1  | 42     | 6  | 48                |
| March ... ..     | 14     | 1  | 38        | 8  | —           | —  | 2     | 1  | 54     | 10 | 64                |
| April ... ..     | 10     | 1  | 37        | 2  | —           | 1  | 4     | 2  | 51     | 6  | 57                |
| May ... ..       | 16     | 1  | 41        | 3  | —           | —  | 4     | 1  | 61     | 5  | 66                |
| June ... ..      | 13     | 4  | 69        | 5  | 2           | —  | 5     | 1  | 89     | 10 | 99                |
| July ... ..      | 31     | 1  | 62        | 3  | —           | —  | 7     | —  | 90     | 4  | 94                |
| August... ..     | 13     | 3  | 43        | 4  | —           | 1  | 8     | —  | 64     | 8  | 72                |
| September ... .. | 13     | 1  | 43        | 6  | 1           | —  | 5     | 3  | 62     | 10 | 72                |
| October ... ..   | 17     | 1  | 47        | 5  | —           | —  | 11    | 2  | 75     | 8  | 83                |
| November ... ..  | 8      | 2  | 40        | 1  | —           | —  | 4     | —  | 52     | 3  | 55                |
| December ... ..  | 5      | 1  | 40        | 2  | —           | —  | 2     | 2  | 47     | 5  | 52                |
| TOTAL ... ..     | 145    | 22 | 519       | 45 | 3           | 3  | 56    | 14 | 723    | 84 | 807               |



TABLE XIX.—SHOWING SURGICAL CASES (*BURNS*).

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 3         | 3  | —           | —  | 1     | 6  | 4      | 9  | 13                |
| February ... ..  | —      | 1  | 2         | 1  | —           | —  | —     | 4  | 2      | 6  | 8                 |
| March ... ..     | 1      | 1  | 3         | 3  | —           | —  | 3     | 8  | 7      | 12 | 19                |
| April ... ..     | —      | —  | 2         | 3  | —           | —  | 1     | 2  | 3      | 5  | 8                 |
| May ... ..       | —      | 1  | 3         | 2  | —           | —  | 2     | 7  | 5      | 10 | 15                |
| June ... ..      | —      | 2  | 3         | 5  | —           | —  | 3     | 4  | 6      | 11 | 17                |
| July ... ..      | 1      | —  | 9         | 3  | —           | —  | 3     | 7  | 13     | 10 | 23                |
| August... ..     | 1      | —  | 9         | 2  | —           | —  | 2     | 4  | 12     | 6  | 18                |
| September ... .. | —      | 1  | 3         | 1  | —           | —  | 5     | 4  | 8      | 6  | 14                |
| October ... ..   | 2      | 4  | 1         | 5  | —           | —  | 1     | 1  | 4      | 10 | 14                |
| November ... ..  | 1      | 2  | 5         | —  | —           | —  | 1     | 5  | 7      | 7  | 14                |
| December ... ..  | —      | 1  | 2         | —  | —           | —  | 3     | 5  | 5      | 6  | 11                |
| TOTAL ... ..     | 6      | 13 | 45        | 28 | —           | —  | 25    | 57 | 76     | 98 | 174               |

TABLE XX.—SHOWING CASES OF MALIGNANT TUMOURS.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | 1           | 1  | —     | —  | 1      | 1  | 2                 |
| February ... ..  | 1      | —  | 3         | —  | 1           | —  | —     | 1  | 5      | 1  | 6                 |
| March ... ..     | 1      | 1  | —         | —  | —           | —  | —     | —  | 1      | 1  | 2                 |
| April ... ..     | —      | —  | —         | —  | 1           | 3  | 1     | —  | 2      | 3  | 5                 |
| May ... ..       | 2      | 1  | 1         | —  | 1           | 1  | —     | —  | 4      | 2  | 6                 |
| June ... ..      | —      | 1  | —         | —  | —           | 2  | 1     | —  | 1      | 3  | 4                 |
| July ... ..      | —      | 1  | —         | —  | —           | —  | —     | —  | —      | 1  | 1                 |
| August... ..     | 1      | —  | —         | 1  | 4           | —  | —     | —  | 5      | 1  | 6                 |
| September ... .. | —      | —  | 1         | —  | 2           | —  | 1     | —  | 4      | —  | 4                 |
| October ... ..   | —      | —  | —         | —  | 1           | 2  | 1     | 1  | 2      | 3  | 5                 |
| November ... ..  | —      | —  | 1         | —  | —           | 2  | —     | —  | 1      | 2  | 3                 |
| December ... ..  | —      | —  | —         | —  | —           | —  | 1     | 1  | 1      | 1  | 2                 |
| TOTAL ... ..     | 5      | 4  | 6         | 1  | 11          | 11 | 5     | 3  | 27     | 19 | 46                |

TARE XXI.—SHOWING CASES OF NON-MALIGNANT TUMOURS.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 1         | —  | —           | 1  | —     | —  | 1      | 1  | 2                 |
| February ... ..  | 2      | —  | —         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| March ... ..     | —      | —  | —         | 1  | 1           | —  | —     | —  | 1      | 1  | 2                 |
| April ... ..     | 2      | 1  | 3         | —  | 2           | —  | —     | —  | 7      | 1  | 8                 |
| May ... ..       | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| June ... ..      | 4      | 2  | —         | —  | —           | —  | —     | —  | 4      | 2  | 6                 |
| July ... ..      | 4      | 1  | 1         | —  | —           | —  | —     | —  | 5      | 1  | 6                 |
| August... ..     | 2      | —  | —         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| September ... .. | 3      | 3  | —         | —  | —           | —  | —     | —  | 3      | 3  | 6                 |
| October ... ..   | 1      | —  | 2         | 1  | —           | —  | —     | —  | 3      | 1  | 4                 |
| November ... ..  | 1      | —  | 1         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| December ... ..  | 2      | 1  | 2         | 1  | —           | —  | —     | —  | 4      | 2  | 6                 |
| TOTAL ... ..     | 21     | 8  | 11        | 3  | 3           | 1  | —     | —  | 35     | 12 | 47                |

FRACTURES.

TABLE XXII.—SHOWING CASES OF SIMPLE FRACTURES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 1      | —  | 12        | 2  | —           | —  | 1     | —  | 14     | 2  | 16                |
| February ... ..  | 2      | 4  | 13        | 2  | —           | —  | —     | —  | 15     | 6  | 21                |
| March ... ..     | 2      | 1  | 16        | 1  | —           | —  | —     | —  | 18     | 2  | 20                |
| April ... ..     | 1      | 1  | 10        | 2  | —           | —  | 1     | —  | 12     | 3  | 15                |
| May ... ..       | 2      | 1  | 20        | 1  | —           | —  | —     | —  | 22     | 2  | 24                |
| June ... ..      | 2      | 1  | 10        | 1  | 1           | —  | —     | —  | 13     | 2  | 15                |
| July ... ..      | 1      | 2  | 22        | 1  | —           | —  | 1     | —  | 24     | 3  | 27                |
| August ... ..    | —      | —  | 18        | 1  | —           | —  | —     | —  | 18     | 1  | 19                |
| September ... .. | 1      | 2  | 8         | 2  | —           | —  | —     | —  | 9      | 4  | 13                |
| October ... ..   | 2      | —  | 14        | 4  | —           | —  | 1     | —  | 17     | 4  | 21                |
| November ... ..  | 3      | —  | 12        | 2  | 1           | —  | —     | —  | 16     | 2  | 18                |
| December ... ..  | 3      | 1  | 21        | 3  | —           | —  | —     | —  | 24     | 4  | 28                |
| TOTAL ... ..     | 20     | 13 | 176       | 22 | 2           | —  | 4     | —  | 202    | 35 | 237               |

TABLE XXIII.—SHOWING CASES OF COMPOUND FRACTURES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 2      | —  | 5         | —  | —           | —  | 1     | —  | 8      | —  | 8                 |
| February ... ..  | 1      | —  | 2         | —  | 1           | —  | —     | —  | 4      | —  | 4                 |
| March ... ..     | 2      | —  | 3         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| April ... ..     | 2      | —  | 6         | 1  | —           | —  | 1     | —  | 9      | 1  | 10                |
| May ... ..       | 2      | —  | 7         | —  | —           | —  | —     | —  | 9      | —  | 9                 |
| June ... ..      | 2      | 1  | 3         | —  | —           | —  | —     | 1  | 5      | 2  | 7                 |
| July ... ..      | 1      | —  | 4         | —  | —           | 1  | 2     | —  | 7      | 1  | 8                 |
| August ... ..    | 2      | 1  | 10        | —  | —           | —  | —     | —  | 12     | 1  | 13                |
| September ... .. | 3      | 1  | 4         | —  | —           | —  | —     | —  | 7      | 1  | 8                 |
| October ... ..   | 2      | 1  | 3         | 1  | —           | —  | —     | —  | 5      | 2  | 7                 |
| November ... ..  | 2      | 1  | 10        | —  | —           | —  | —     | —  | 12     | 1  | 13                |
| December ... ..  | 1      | —  | 2         | 1  | —           | —  | —     | —  | 3      | 1  | 4                 |
| TOTAL ... ..     | 22     | 5  | 59        | 3  | 1           | 1  | 4     | 1  | 86     | 10 | 96                |

The following tables from No. 24 to No. 30 include statistics of the different surgical cases, to some of whom operation were done, as well as those who were discharged without showing symptoms of any disease and those remaining under treatment from 1923.

TABLE No. XXIV.—SHOWING CASES OF ANAL FISTULA.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 1      | —  | 6         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| February ... ..  | 1      | —  | 6         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| March ... ..     | 5      | 2  | 4         | —  | —           | —  | —     | —  | 9      | 2  | 11                |
| April ... ..     | 1      | —  | 5         | —  | 1           | —  | —     | —  | 7      | —  | 7                 |
| May ... ..       | 1      | —  | 1         | —  | 1           | —  | —     | —  | 3      | —  | 3                 |
| June ... ..      | —      | —  | 4         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| July ... ..      | 2      | —  | 3         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| August ... ..    | 1      | —  | 7         | —  | —           | —  | —     | —  | 8      | —  | 8                 |
| September ... .. | 1      | —  | 12        | —  | 1           | —  | —     | —  | 14     | —  | 14                |
| October ... ..   | 2      | 2  | 6         | —  | —           | —  | —     | —  | 8      | 2  | 10                |
| November ... ..  | 2      | —  | 11        | —  | —           | —  | —     | —  | 13     | —  | 13                |
| December ... ..  | 2      | —  | 9         | —  | —           | —  | —     | —  | 11     | —  | 11                |
| TOTAL ... ..     | 19     | 4  | 74        | —  | 3           | —  | —     | —  | 96     | 4  | 100               |



TABLE XXV.—SHOWING CASES OF APPENDICITIS.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February  | ... | ... | ... | ... | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| March     | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| April     | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May       | ... | ... | ... | ... | 4      | 1  | —         | —  | —           | —  | 1     | —  | 5      | 1  | 6                 |
| June      | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| July      | ... | ... | ... | ... | 3      | 1  | —         | —  | —           | —  | —     | —  | 3      | 1  | 4                 |
| August    | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| September | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| October   | ... | ... | ... | ... | 1      | —  | 2         | 1  | —           | —  | —     | —  | 3      | 1  | 4                 |
| November  | ... | ... | ... | ... | 2      | 1  | —         | —  | —           | —  | —     | —  | 2      | 1  | 3                 |
| December  | ... | ... | ... | ... | 3      | —  | —         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| TOTAL     |     |     |     |     | 18     | 3  | 3         | 1  | —           | —  | 2     | —  | 23     | 4  | 27                |

TABLE XXVI.—SHOWING CASES OF VESICAL CALCULUS.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 2      | 1  | —         | —  | —           | —  | —     | —  | 2      | 1  | 3                 |
| February  | ... | ... | ... | ... | 3      | —  | —         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| March     | ... | ... | ... | ... | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| April     | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| May       | ... | ... | ... | ... | 2      | —  | —         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| June      | ... | ... | ... | ... | 3      | —  | —         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| July      | ... | ... | ... | ... | 3      | —  | 2         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| August    | ... | ... | ... | ... | 3      | —  | 1         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| September | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| October   | ... | ... | ... | ... | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| November  | ... | ... | ... | ... | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| December  | ... | ... | ... | ... | 5      | —  | 2         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| TOTAL     |     |     |     |     | 32     | 1  | 9         | —  | —           | —  | —     | —  | 41     | 1  | 42                |

TABLE XXVII.—SHOWING CASES OF LIVER ABSCESSSES.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | 1  | —     | —  | —      | 1  | 1                 |
| February  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| March     | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| April     | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May       | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| June      | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| July      | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| August    | ... | ... | ... | ... | —      | 1  | —         | —  | —           | —  | 1     | —  | 1      | 1  | 2                 |
| September | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| October   | ... | ... | ... | ... | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| November  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| December  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| TOTAL     |     |     |     |     | 1      | 1  | 5         | —  | —           | 1  | 2     | —  | 8      | 2  | 10                |

TABLE XXVIII.—SHOWING CASES OF HERNIA.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 10     | 1  | 1         | —  | 1           | —  | —     | —  | 12     | 1  | 13                |
| February  | ... | ... | ... | ... | 10     | 1  | 2         | —  | 2           | —  | —     | —  | 14     | 1  | 15                |
| March     | ... | ... | ... | ... | 16     | —  | 5         | —  | —           | —  | 1     | —  | 22     | —  | 22                |
| April     | ... | ... | ... | ... | 24     | 1  | 4         | —  | —           | —  | —     | —  | 28     | 1  | 29                |
| May       | ... | ... | ... | ... | 24     | 2  | 3         | —  | 2           | —  | 1     | —  | 30     | 2  | 32                |
| June      | ... | ... | ... | ... | 34     | 1  | 3         | 1  | 2           | —  | 1     | 2  | 40     | 4  | 44                |
| July      | ... | ... | ... | ... | 23     | 1  | 3         | —  | 3           | —  | 1     | —  | 30     | 1  | 31                |
| August    | ... | ... | ... | ... | 41     | —  | 6         | —  | 1           | —  | 1     | —  | 49     | —  | 49                |
| September | ... | ... | ... | ... | 51     | 2  | 6         | 1  | 6           | —  | 1     | —  | 64     | 3  | 67                |
| October   | ... | ... | ... | ... | 43     | —  | 10        | —  | —           | —  | 1     | —  | 54     | —  | 54                |
| November  | ... | ... | ... | ... | 39     | 1  | 3         | —  | 2           | —  | —     | —  | 44     | 1  | 45                |
| December  | ... | ... | ... | ... | 24     | 2  | 4         | —  | —           | —  | —     | —  | 28     | 2  | 30                |
| TOTAL     |     |     |     |     | 339    | 12 | 50        | 2  | 19          | —  | 7     | 2  | 415    | 16 | 431               |

TABLE XXIX.—SHOWING CASES OF PILES.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 5      | 2  | 4         | —  | —           | —  | —     | —  | 9      | 2  | 11                |
| February  | ... | ... | ... | ... | 7      | 2  | 7         | —  | —           | —  | —     | —  | 14     | 2  | 16                |
| March     | ... | ... | ... | ... | 11     | 2  | 12        | —  | 1           | —  | —     | —  | 24     | 2  | 26                |
| April     | ... | ... | ... | ... | 5      | —  | 7         | —  | 1           | —  | —     | —  | 13     | —  | 13                |
| May       | ... | ... | ... | ... | 8      | —  | 8         | —  | 1           | —  | —     | —  | 17     | —  | 17                |
| June      | ... | ... | ... | ... | 6      | —  | 24        | —  | 4           | —  | —     | —  | 34     | —  | 34                |
| July      | ... | ... | ... | ... | 11     | —  | 23        | —  | 3           | —  | —     | —  | 37     | —  | 37                |
| August    | ... | ... | ... | ... | 6      | 5  | 33        | —  | —           | 1  | —     | —  | 39     | 6  | 45                |
| September | ... | ... | ... | ... | 10     | 5  | 33        | —  | —           | —  | —     | —  | 43     | 5  | 48                |
| October   | ... | ... | ... | ... | 7      | 2  | 29        | 2  | —           | —  | —     | —  | 36     | 4  | 40                |
| November  | ... | ... | ... | ... | 3      | 3  | 17        | —  | —           | —  | —     | —  | 20     | 3  | 23                |
| December  | ... | ... | ... | ... | 9      | 2  | 17        | —  | —           | —  | —     | —  | 26     | 2  | 28                |
| TOTAL     |     |     |     |     | 88     | 23 | 214       | 2  | 10          | 1  | —     | —  | 312    | 26 | 338               |

TABLE XXX.—SHOWING OTHER SURGICAL CASES.

| MONTH.    |     |     |     |     | CURED. |     | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |     | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|-----|-----------|----|-------------|----|-------|----|--------|-----|-------------------|
|           |     |     |     |     | M.     | F.  | M.        | F. | M.          | F. | M.    | F. | M.     | F.  |                   |
| January   | ... | ... | ... | ... | 17     | 7   | 38        | 3  | 2           | 2  | 1     | 2  | 58     | 14  | 72                |
| February  | ... | ... | ... | ... | 34     | 4   | 31        | —  | 3           | 2  | 1     | 1  | 69     | 7   | 76                |
| March     | ... | ... | ... | ... | 23     | 11  | 41        | 5  | 2           | 2  | 6     | —  | 72     | 18  | 90                |
| April     | ... | ... | ... | ... | 19     | 8   | 44        | 8  | 4           | 2  | 6     | 1  | 73     | 19  | 92                |
| May       | ... | ... | ... | ... | 38     | 12  | 29        | 3  | 5           | —  | 2     | —  | 74     | 15  | 89                |
| June      | ... | ... | ... | ... | 25     | 11  | 52        | 4  | 9           | 3  | 5     | 2  | 91     | 20  | 111               |
| July      | ... | ... | ... | ... | 36     | 9   | 49        | 5  | 2           | 1  | 2     | —  | 89     | 15  | 104               |
| August    | ... | ... | ... | ... | 48     | 6   | 45        | 6  | 6           | 1  | 2     | 2  | 101    | 15  | 116               |
| September | ... | ... | ... | ... | 46     | 7   | 47        | 6  | 3           | —  | 4     | 3  | 100    | 16  | 116               |
| October   | ... | ... | ... | ... | 32     | 10  | 39        | 7  | 2           | 1  | 2     | —  | 75     | 18  | 93                |
| November  | ... | ... | ... | ... | 34     | 12  | 47        | 5  | —           | —  | 3     | —  | 84     | 17  | 101               |
| December  | ... | ... | ... | ... | 27     | 6   | 32        | —  | —           | 1  | 1     | —  | 60     | 7   | 67                |
| TOTAL     |     |     |     |     | 379    | 103 | 494       | 52 | 38          | 15 | 35    | 11 | 946    | 181 | 1,127             |



SKIN AND VENEREAL DISEASES.

TABLE XXXI.—SHOWING CASES OF SKIN DISEASES.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |     | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|-----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F.  |                   |
| January   | ... | ... | ... | ... | 24     | 3  | 8         | 5  | —           | —  | —     | —  | 32     | 8   | 40                |
| February  | ... | ... | ... | ... | 26     | 10 | 13        | 1  | 3           | 1  | —     | —  | 42     | 12  | 54                |
| March     | ... | ... | ... | ... | 23     | —  | 14        | 7  | 2           | 1  | —     | —  | 39     | 8   | 47                |
| April     | ... | ... | ... | ... | 23     | 2  | 21        | 4  | 4           | —  | —     | —  | 48     | 6   | 54                |
| May       | ... | ... | ... | ... | 25     | 3  | 10        | 3  | 2           | 2  | —     | —  | 37     | 8   | 45                |
| June      | ... | ... | ... | ... | 21     | 8  | 32        | 7  | 1           | —  | 1     | —  | 55     | 15  | 70                |
| July      | ... | ... | ... | ... | 17     | 13 | 16        | 4  | —           | —  | —     | —  | 33     | 17  | 50                |
| August    | ... | ... | ... | ... | 21     | 8  | 23        | 5  | 3           | 2  | —     | —  | 47     | 15  | 62                |
| September | ... | ... | ... | ... | 17     | 11 | 30        | 8  | 1           | —  | 1     | —  | 49     | 19  | 68                |
| October   | ... | ... | ... | ... | 22     | 5  | 22        | 5  | 1           | —  | —     | —  | 45     | 10  | 55                |
| November  | ... | ... | ... | ... | 14     | —  | 13        | 6  | 2           | —  | —     | —  | 29     | 6   | 35                |
| December  | ... | ... | ... | ... | 13     | —  | 7         | 5  | 1           | —  | —     | —  | 21     | 5   | 26                |
| TOTAL     |     |     |     |     | 246    | 63 | 209       | 60 | 20          | 6  | 2     | —  | 477    | 129 | 606               |

TABLE XXXII.—SHOWING CASES OF SYPHILIS.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | 10        | 4  | —           | —  | —     | —  | 10     | 4  | 14                |
| February  | ... | ... | ... | ... | —      | —  | 12        | 1  | —           | —  | —     | —  | 11     | 1  | 13                |
| March     | ... | ... | ... | ... | —      | 1  | 10        | 6  | —           | —  | 1     | —  | 16     | 7  | 23                |
| April     | ... | ... | ... | ... | —      | —  | 5         | 3  | 3           | —  | —     | —  | 8      | 3  | 11                |
| May       | ... | ... | ... | ... | —      | —  | 10        | 3  | 2           | 1  | —     | —  | 19     | 4  | 16                |
| June      | ... | ... | ... | ... | —      | —  | 9         | 7  | —           | —  | —     | —  | 9      | 7  | 16                |
| July      | ... | ... | ... | ... | —      | —  | 9         | 1  | —           | —  | —     | —  | 9      | 1  | 10                |
| August    | ... | ... | ... | ... | —      | —  | 15        | 3  | 1           | —  | —     | —  | 16     | 3  | 19                |
| September | ... | ... | ... | ... | —      | —  | 11        | 5  | 1           | —  | —     | —  | 12     | 5  | 17                |
| October   | ... | ... | ... | ... | —      | —  | 9         | 1  | —           | —  | —     | —  | 9      | 1  | 10                |
| November  | ... | ... | ... | ... | 1      | —  | 8         | —  | —           | —  | —     | 1  | 9      | 1  | 10                |
| December  | ... | ... | ... | ... | —      | —  | 10        | 7  | —           | —  | —     | —  | 10     | 7  | 17                |
| TOTAL     |     |     |     |     | 1      | 1  | 123       | 41 | 7           | 1  | 1     | 1  | 132    | 44 | 176               |

TABLE XXXIII.—SHOWING CASES OF GONORRHEA.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | 2         | 1  | —           | —  | —     | —  | 2      | 1  | 3                 |
| February  | ... | ... | ... | ... | —      | —  | 6         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| March     | ... | ... | ... | ... | —      | —  | 2         | 3  | 2           | —  | —     | —  | 4      | 3  | 7                 |
| April     | ... | ... | ... | ... | —      | —  | 3         | —  | 1           | —  | —     | —  | 4      | —  | 4                 |
| May       | ... | ... | ... | ... | —      | —  | 4         | —  | 1           | —  | —     | —  | 5      | —  | 5                 |
| June      | ... | ... | ... | ... | —      | —  | 3         | 3  | 2           | —  | —     | —  | 5      | 3  | 8                 |
| July      | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| August    | ... | ... | ... | ... | —      | —  | 5         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| September | ... | ... | ... | ... | —      | —  | 1         | 2  | —           | —  | —     | —  | 1      | 2  | 3                 |
| October   | ... | ... | ... | ... | —      | —  | 8         | —  | —           | —  | —     | —  | 8      | —  | 8                 |
| November  | ... | ... | ... | ... | —      | —  | 6         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| December  | ... | ... | ... | ... | —      | —  | 1         | 2  | 1           | —  | —     | —  | 2      | 2  | 4                 |
| TOTAL     |     |     |     |     | —      | —  | 42        | 11 | 7           | —  | —     | —  | 49     | 11 | 60                |

TABLE XXXIV—SHOWING CASES OF SOFT-SORES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February ... ..  | —      | —  | 2         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| March ... ..     | —      | —  | 5         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| April ... ..     | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| May ... ..       | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| June ... ..      | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| July ... ..      | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| August... ..     | —      | —  | 2         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| September ... .. | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| October ... ..   | 1      | —  | 2         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| November ... ..  | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| December ... ..  | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| TOTAL ... ..     | 2      | —  | 16        | —  | —           | —  | —     | —  | 18     | —  | 18                |

REPORT ON THE WORK OF THE SKIN AND VENEREAL DISEASES SECTION,  
ALEXANDRIA GOVERNMENT HOSPITAL IN 1924.

New patients attending out-patients Department 5,715 patients.  
In-patients... .. 905 „  
Number of Beds in the Male Section ... .. 26 beds.  
„ „ „ „ Female Section ... .. 12 „

DETAILS :—

*Out-patients :* Out of those who attended the out-patients' Department :—  
2,188 were suffering from venereal diseases.  
3,527 „ „ „ skin diseases.

*In-patients :* Out of those in-patients :—  
229 were suffering from venereal diseases.  
606 „ „ „ skin diseases.

TABLE SHOWING THE DETAILS OF THE VENEREAL DISEASES.

| DEPARTMENT.         | SYPHILIS.   |             |             |              | GONORRHEA. |          | Softsore. | Hardsore. |
|---------------------|-------------|-------------|-------------|--------------|------------|----------|-----------|-----------|
|                     | 1st Degree. | 2nd Degree. | 3rd Degree. | Con-genital. | Acute.     | Chronic. |           |           |
| Ont-patients ... .. | 105         | 1,209       | 237         | 138          | 238        | 171      | 89        | 1         |
| In-patients ... ..  | 21          | 145         | 39          | 16           | 60         | —        | 17        | 1         |
| TOTAL ... ..        | 126         | 1,354       | 276         | 154          | 298        | 171      | 106       | 2         |
|                     | 1,910       |             |             |              | 469        |          |           |           |

Total number of patients suffering from Syphilis (out and in patients)... 1910  
„ „ „ „ „ Gonorrhea (out and in patients) 469  
„ „ „ „ „ Soft sores „ „ „ „ 106  
„ „ „ „ „ Hard sores „ „ „ „ 2  
„ „ „ „ „ Venereal Diseases „ „ 2487

Out of the patients suffering from Syphilis 320 are treated with N.A.B. Hg. and Iodides on interrupted courses for 3 years.  
The rest are treated with Hg. and Iodides only.



TABLE XXXV.—SHOWING THE SKIN DISEASES TREATED IN THE IN AND OUT-PATIENTS  
SECTIONS DURING THE YEAR 1924.

| NAME OF THE DISEASE.                              | Out-Patients. | In-Patients. |
|---|---------------|--------------|
| Acne Vulgaris and Seborrhœa ... ..                | 94            | 3            |
| „ Rosacea ... ..                                  | 2             | 1            |
| „ Necrotica ... ..                                | 1             | —            |
| Actinomyces ... ..                                | 1             | 1            |
| Alopecia Areata ... ..                            | 20            | —            |
| Artificial Dermatitis ... ..                      | 115           | 15           |
| Boeck's Sarcoid ... ..                            | 1             | 2            |
| Chicken-pox ... ..                                | 5             | —            |
| Chill blain ... ..                                | 9             | —            |
| Condyloma Accuminata ... ..                       | 15            | 2            |
| Choloosma ... ..                                  | 12            | —            |
| Dermatitis Herpetiformis ... ..                   | 1             | —            |
| „ Papillaris ... ..                               | 10            | —            |
| Dirt... ..  | 15            | 1            |
| Eczema, different kinds ... ..                    | 1,321         | 158          |
| Erythema Multiformi .. ..                         | 42            | 8            |
| „ Nodosum ... ..                                  | 6             | —            |
| „ Indurativum Bazin ... ..                        | 1             | —            |
| Ephilides ... ..                                  | 33            | 1            |
| Favus ... ..                                      | 77            | 19           |
| Gangrene of Neck ... ..                           | 1             | 1            |
| Herpes Tousurans... ..                            | 120           | 20           |
| „ Labialis ... ..                                 | 10            | 3            |
| „ Progenitalis ... ..                             | 2             | 2            |
| „ Zoster ... ..                                   | 12            | 3            |
| Hæmorrhage of Corpus Cav. Penis ... ..            | 1             | —            |
| Hairy Mole ... ..                                 | 1             | —            |
| Hyperkeratosis Palmaris and Plantaris ... ..      | 2             | —            |
| Ichthyosis ... ..                                 | 1             | 1            |
| Intestinal Intoxication and Toxic Erythema ... .. | 133           | 8            |
| Impetigo Contagiosa ... ..                        | 141           | 12           |
| Impetigs Staphylogenes ... ..                     | 63            | 12           |
| Kerion Celsi... ..                                | 2             | 1            |
| Keloid ... ..                                     | 4             | —            |
| Lichen Ruber Planum ... ..                        | 15            | 6            |
| „ „ Accuminatus ... ..                            | 6             | 3            |
| „ „ Pillaris ... ..                               | 11            | 2            |
| „ „ Vidal Chronicus ... ..                        | 6             | —            |
| Lupus Erythematosus... ..                         | 6             | —            |
| „ „ Vulgaris ... ..                               | 24            | 13           |
| Leprosy ... ..                                    | 26            | 17           |
| Microsporic and Trichophytic ... ..               | 93            | —            |
| Milium ... ..                                     | 3             | —            |
| Onychiomyces Trichophytic ... ..                  | 1             | —            |
| Molluscum Contagiosum ... ..                      | 9             | —            |
| Pemphigus Vulgaris ... ..                         | 1             | 1            |
| „ „ Foliaceous ... ..                             | 2             | 3            |
| Pityriasis Versicolor ... ..                      | 67            | 8            |
| „ „ Rosa ... ..                                   | 11            | —            |
| „ „ Rubra Hebra ... ..                            | 1             | 1            |
| „ „ Pillaris ... ..                               | 2             | 1            |
| „ „ Lichenoidis Chronicus ... ..                  | 1             | 1            |
| Psoriasis Vulgaris ... ..                         | 37            | 14           |
| Parapsoriasis... ..                               | 2             | 4            |
| Prurigo Hebra ... ..                              | 138           | 8            |
| Purpura Hæmorrhagica ... ..                       | 6             | —            |
| Plastic Induration of Penis ... ..                | 1             | —            |
| Pruritis ... ..                                   | 54            | 5            |
| Psorospermic (Darrier's disease) ... ..           | 1             | 2            |
| Scabies ... ..                                    | 636           | 225          |
| Sycosis Vulgaris ... ..                           | 24            | 7            |
| „ „ Trichophytic ... ..                           | 4             | 2            |
| Scleroderma ... ..                                | 2             | 1            |
| Ulcus Cruris ... ..                               | 17            | 6            |
| Vitiligo ... ..                                   | 13            | —            |
| Von Recklinghausen disease ... ..                 | 1             | —            |
| Warts ... ..                                      | 30            | —            |
| Xanthoma Palpebrarum ... ..                       | 2             | —            |
| TOTAL ... ..                                      | 3,527         | 606          |

DISEASES OF THE DIGESTIVE SYSTEM.

TABLE XXXVI.—SHOWING CASES OF THE LIVER.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February  | ... | ... | ... | ... | —      | 1  | 3         | —  | —           | —  | —     | —  | 3      | 1  | 4                 |
| March     | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| April     | ... | ... | ... | ... | —      | —  | 1         | —  | 1           | —  | 2     | —  | 4      | —  | 4                 |
| May       | ... | ... | ... | ... | 1      | 1  | 1         | —  | —           | —  | 1     | —  | 3      | 1  | 4                 |
| June      | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | 1     | —  | 1      | —  | 1                 |
| July      | ... | ... | ... | ... | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| August... | ... | ... | ... | ... | —      | —  | 4         | —  | —           | —  | 1     | —  | 5      | —  | 5                 |
| September | ... | ... | ... | ... | 1      | —  | 6         | —  | —           | —  | 1     | —  | 8      | —  | 8                 |
| October   | ... | ... | ... | ... | 1      | —  | 4         | —  | —           | —  | 1     | —  | 6      | —  | 6                 |
| November  | ... | ... | ... | ... | 1      | —  | 3         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| December  | ... | ... | ... | ... | 1      | —  | 2         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| TOTAL ... |     |     |     |     | 7      | 2  | 26        | —  | 1           | —  | 8     | —  | 42     | 2  | 44                |

TABLE XXXVII.—SHOWING OTHER ALIMENTARY DISEASES.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 6      | —  | —         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| February  | ... | ... | ... | ... | 4      | 1  | —         | —  | —           | —  | 1     | —  | 5      | 1  | 6                 |
| March     | ... | ... | ... | ... | 4      | —  | —         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| April     | ... | ... | ... | ... | 6      | —  | 1         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| May       | ... | ... | ... | ... | 7      | —  | —         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| June      | ... | ... | ... | ... | 9      | —  | —         | —  | —           | —  | —     | —  | 9      | —  | 9                 |
| July      | ... | ... | ... | ... | 15     | 1  | 2         | —  | —           | —  | —     | —  | 17     | 1  | 18                |
| August... | ... | ... | ... | ... | 8      | —  | —         | 1  | —           | —  | —     | —  | 8      | 1  | 9                 |
| September | ... | ... | ... | ... | 4      | —  | —         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| October   | ... | ... | ... | ... | 1      | 1  | 3         | —  | —           | —  | —     | —  | 4      | 1  | 5                 |
| November  | ... | ... | ... | ... | 6      | —  | —         | 1  | —           | —  | —     | —  | 8      | 1  | 9                 |
| December  | ... | ... | ... | ... | —      | 2  | 1         | 1  | —           | —  | —     | —  | 1      | 3  | 4                 |
| TOTAL ... |     |     |     |     | 70     | 5  | 7         | 3  | —           | —  | 1     | —  | 80     | 8  | 88                |

TABLE XXXVIII.—SHOWING CASES OF STOMACH DISEASES (*Digestive System*).

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 8      | 3  | 1         | 1  | —           | —  | —     | —  | 9      | 4  | 13                |
| February  | ... | ... | ... | ... | 3      | 1  | 2         | —  | —           | —  | —     | —  | 5      | 1  | 6                 |
| March     | ... | ... | ... | ... | 7      | —  | 2         | —  | —           | —  | 1     | —  | 10     | —  | 10                |
| April     | ... | ... | ... | ... | 2      | 1  | 1         | —  | —           | 1  | —     | 1  | 3      | 3  | 6                 |
| May       | ... | ... | ... | ... | 3      | 3  | —         | —  | —           | —  | —     | —  | 3      | 3  | 6                 |
| June      | ... | ... | ... | ... | 6      | —  | 1         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| July      | ... | ... | ... | ... | 6      | 1  | 3         | —  | —           | —  | —     | —  | 9      | 1  | 10                |
| August... | ... | ... | ... | ... | 4      | 2  | 3         | 1  | —           | —  | —     | —  | 7      | 3  | 10                |
| September | ... | ... | ... | ... | 7      | 1  | —         | —  | —           | —  | —     | —  | 7      | 1  | 8                 |
| October   | ... | ... | ... | ... | 6      | 2  | —         | 2  | —           | —  | —     | —  | 6      | 4  | 10                |
| November  | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| December  | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| TOTAL ... |     |     |     |     | 53     | 14 | 14        | 4  | —           | 1  | 1     | 1  | 68     | 20 | 88                |



TABLE XXXIX.—SHOWING CASES OF TUBERCULAR PERITONITIS.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February ... ..  | —      | —  | —         | —  | —           | —  | 1     | —  | 1      | —  | 1                 |
| March ... ..     | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| April ... ..     | —      | —  | —         | 2  | —           | —  | 1     | —  | 1      | 2  | 3                 |
| May ... ..       | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| June ... ..      | —      | —  | 1         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| July ... ..      | —      | 1  | 2         | 1  | —           | —  | —     | —  | 2      | 2  | 4                 |
| August ... ..    | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| September ... .. | —      | —  | 1         | —  | —           | —  | 2     | —  | 3      | —  | 3                 |
| October ... ..   | 2      | —  | —         | —  | —           | —  | 1     | —  | 3      | —  | 3                 |
| November ... ..  | —      | —  | 1         | —  | 1           | —  | —     | 1  | 2      | 1  | 3                 |
| December ... ..  | 2      | —  | 1         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| TOTAL ... ..     | 6      | 1  | 6         | 3  | 1           | —  | 6     | 1  | 19     | 5  | 24                |

TABLE XL.—SHOWING CASES OF DYSENTERY.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 5      | 1  | 1         | —  | —           | —  | —     | —  | 6      | 1  | 7                 |
| February ... ..  | 3      | —  | 2         | —  | —           | —  | 1     | —  | 6      | —  | 6                 |
| March ... ..     | 5      | —  | 1         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| April ... ..     | 4      | —  | —         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| May ... ..       | 6      | —  | —         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| June ... ..      | 9      | —  | 3         | —  | —           | —  | —     | —  | 12     | —  | 12                |
| July ... ..      | 8      | 1  | 4         | —  | —           | —  | 1     | —  | 13     | 1  | 14                |
| August ... ..    | 20     | 1  | 7         | —  | —           | —  | —     | —  | 27     | 1  | 28                |
| September ... .. | 16     | 1  | —         | —  | —           | —  | 1     | 1  | 17     | 2  | 19                |
| October ... ..   | 24     | —  | 1         | —  | —           | —  | —     | —  | 25     | —  | 25                |
| November ... ..  | 17     | —  | —         | —  | —           | —  | 1     | —  | 18     | —  | 18                |
| December ... ..  | 7      | —  | 3         | 1  | —           | —  | —     | 1  | 10     | 2  | 12                |
| TOTAL ... ..     | 124    | 4  | 22        | 1  | —           | —  | 4     | 2  | 150    | 7  | 157               |

TABLE XLI.—SHOWING CASES OF DIARRHŒA AND ENTERITIS.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 3      | —  | 8         | —  | —           | —  | 5     | —  | 16     | —  | 16                |
| February ... ..  | 8      | —  | 2         | 2  | —           | —  | —     | —  | 10     | 2  | 12                |
| March ... ..     | 4      | —  | 1         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| April ... ..     | 6      | 1  | 1         | —  | 1           | —  | 2     | 1  | 10     | 2  | 12                |
| May ... ..       | 4      | —  | 1         | 2  | 1           | —  | —     | 1  | 6      | 3  | 9                 |
| June ... ..      | 3      | —  | 2         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| July ... ..      | 11     | —  | 5         | 1  | —           | —  | 2     | 2  | 18     | 3  | 21                |
| August ... ..    | 10     | —  | 1         | 1  | —           | —  | 1     | 1  | 12     | 2  | 14                |
| September ... .. | 7      | —  | 2         | 1  | —           | —  | —     | —  | 9      | 1  | 10                |
| October ... ..   | 3      | —  | 1         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| November ... ..  | 6      | 1  | —         | 1  | —           | —  | 1     | —  | 7      | 2  | 9                 |
| December ... ..  | 3      | —  | —         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| TOTAL ... ..     | 68     | 2  | 24        | 8  | 2           | —  | 11    | 5  | 105    | 15 | 120               |

DISEASES OF THE CIRCULATORY SYSTEM.

TABLE XLII.—SHOWING CASES OF THE HEART.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 2      | —  | 7         | —  | —           | —  | 5     | 2  | 14     | 2  | 16                |
| February  | ... | ... | ... | ... | —      | —  | 11        | —  | 1           | —  | 9     | —  | 21     | —  | 21                |
| March     | ... | ... | ... | ... | —      | —  | 9         | —  | 3           | —  | 6     | 1  | 18     | 1  | 19                |
| April     | ... | ... | ... | ... | —      | —  | 10        | —  | 3           | —  | 4     | 1  | 17     | 1  | 18                |
| May       | ... | ... | ... | ... | —      | —  | 8         | 3  | —           | —  | 4     | —  | 12     | 3  | 15                |
| June      | ... | ... | ... | ... | 1      | —  | 11        | 2  | —           | —  | 4     | 1  | 16     | 3  | 19                |
| July      | ... | ... | ... | ... | —      | —  | 5         | 2  | 1           | —  | 3     | 1  | 9      | 3  | 12                |
| August... | ... | ... | ... | ... | —      | —  | 10        | 2  | —           | —  | —     | —  | 10     | 2  | 12                |
| September | ... | ... | ... | ... | —      | —  | 5         | 5  | 1           | —  | 4     | 3  | 10     | 8  | 18                |
| October   | ... | ... | ... | ... | —      | —  | 10        | 6  | 2           | —  | 6     | 2  | 18     | 8  | 26                |
| November  | ... | ... | ... | ... | 1      | —  | 5         | 1  | —           | —  | 1     | —  | 7      | 1  | 8                 |
| December  | ... | ... | ... | ... | —      | —  | 4         | 2  | 1           | —  | 3     | —  | 8      | 2  | 10                |
| TOTAL ... |     |     |     |     | 4      | —  | 95        | 23 | 12          | —  | 49    | 11 | 160    | 34 | 194               |

TABLE XLIII.—SHOWING CASES OF OTHER CIRCULATORY DISEASES.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February  | ... | ... | ... | ... | —      | —  | —         | 1  | —           | —  | —     | —  | —      | 1  | 1                 |
| March     | ... | ... | ... | ... | —      | —  | —         | —  | —           | 2  | —     | —  | —      | 2  | 2                 |
| April     | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May       | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| June      | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| July      | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| August... | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| September | ... | ... | ... | ... | —      | —  | 1         | 2  | —           | —  | —     | —  | 1      | 2  | 3                 |
| October   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| November  | ... | ... | ... | ... | —      | —  | 1         | 1  | —           | —  | —     | —  | 1      | 1  | 2                 |
| December  | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| TOTAL ... |     |     |     |     | —      | —  | 3         | 4  | —           | 2  | —     | —  | 3      | 6  | 9                 |

DISEASES OF THE RESPIRATORY SYSTEM.

TABLE XLIV.—SHOWING CASES OF PNEUMONIA.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | 1     | 1  | 6      | 1  | 7                 |
| February  | ... | ... | ... | ... | 3      | —  | —         | —  | —           | —  | 3     | —  | 6      | —  | 6                 |
| March     | ... | ... | ... | ... | 6      | 2  | —         | —  | —           | —  | 2     | —  | 8      | 2  | 10                |
| April     | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | 5     | —  | 10     | —  | 10                |
| May       | ... | ... | ... | ... | 8      | —  | —         | —  | —           | —  | 2     | —  | 10     | —  | 10                |
| June      | ... | ... | ... | ... | 6      | —  | 2         | —  | —           | —  | 2     | 1  | 10     | 1  | 11                |
| July      | ... | ... | ... | ... | 7      | 1  | —         | —  | —           | —  | 2     | —  | 9      | 2  | 11                |
| August... | ... | ... | ... | ... | 5      | —  | 1         | —  | —           | 1  | 3     | 1  | 9      | 1  | 10                |
| September | ... | ... | ... | ... | 7      | —  | —         | —  | —           | —  | 2     | 2  | 9      | 2  | 11                |
| October   | ... | ... | ... | ... | 4      | 2  | —         | —  | —           | —  | 1     | 2  | 5      | 4  | 9                 |
| November  | ... | ... | ... | ... | 4      | —  | —         | —  | —           | —  | 2     | —  | 6      | —  | 6                 |
| December  | ... | ... | ... | ... | 4      | —  | —         | —  | —           | —  | —     | 1  | 4      | 1  | 5                 |
| TOTAL ... |     |     |     |     | 64     | 5  | 3         | —  | —           | 1  | 25    | 8  | 92     | 14 | 106               |



TABLE XLV.—SHOWING CASES OF PHTHISIS.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | 1         | —  | 3           | —  | 5     | —  | 9      | —  | 9                 |
| February  | ... | ... | ... | ... | —      | —  | —         | 1  | 1           | —  | 4     | —  | 5      | 1  | 6                 |
| March     | ... | ... | ... | ... | —      | —  | 3         | —  | 1           | —  | 1     | 1  | 5      | 1  | 6                 |
| April     | ... | ... | ... | ... | —      | —  | 7         | 1  | —           | —  | 4     | 2  | 11     | 3  | 14                |
| May       | ... | ... | ... | ... | —      | —  | 2         | —  | 2           | —  | 4     | 2  | 8      | 2  | 10                |
| June      | ... | ... | ... | ... | —      | —  | 3         | 1  | —           | —  | 3     | 1  | 6      | 2  | 8                 |
| July      | ... | ... | ... | ... | —      | —  | 1         | —  | 3           | 1  | 6     | —  | 10     | 1  | 11                |
| August    | ... | ... | ... | ... | —      | —  | 4         | 1  | 2           | —  | 6     | —  | 12     | 1  | 13                |
| September | ... | ... | ... | ... | —      | —  | 6         | —  | 2           | —  | 1     | —  | 9      | —  | 9                 |
| October   | ... | ... | ... | ... | —      | —  | 14        | —  | 3           | —  | 5     | —  | 22     | —  | 22                |
| November  | ... | ... | ... | ... | —      | —  | —         | 1  | —           | —  | —     | 1  | —      | 2  | 2                 |
| December  | ... | ... | ... | ... | —      | —  | 5         | 1  | 2           | 1  | 2     | —  | 7      | 4  | 11                |
| TOTAL     |     |     |     |     | —      | —  | 46        | 6  | 19          | 2  | 41    | 7  | 104    | 17 | 121               |

TABLE XLVI.—SHOWING CASES OF PLEURISY

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February  | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| March     | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| April     | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| May       | ... | ... | ... | ... | 3      | —  | —         | —  | —           | —  | —     | 1  | 3      | 1  | 4                 |
| June      | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | 1     | —  | 1      | —  | 1                 |
| July      | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| August    | ... | ... | ... | ... | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| September | ... | ... | ... | ... | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| October   | ... | ... | ... | ... | 1      | —  | 2         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| November  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| December  | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| TOTAL     |     |     |     |     | 9      | —  | 6         | —  | —           | —  | 2     | 1  | 17     | 1  | 18                |

TABLE XLVII.—SHOWING OTHER RESPIRATORY DISEASES.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 5      | 1  | 5         | 3  | —           | —  | —     | 1  | 10     | 5  | 15                |
| February  | ... | ... | ... | ... | 8      | 1  | 5         | 1  | 1           | —  | 2     | —  | 16     | 2  | 18                |
| March     | ... | ... | ... | ... | 11     | —  | 7         | —  | —           | —  | 1     | —  | 19     | —  | 19                |
| April     | ... | ... | ... | ... | 4      | —  | 2         | 1  | 1           | —  | 2     | —  | 9      | 1  | 10                |
| May       | ... | ... | ... | ... | 8      | 1  | 4         | —  | 1           | —  | 2     | —  | 15     | 1  | 16                |
| June      | ... | ... | ... | ... | 4      | 1  | 10        | 4  | —           | —  | —     | —  | 14     | 5  | 19                |
| July      | ... | ... | ... | ... | 3      | 2  | 24        | —  | 1           | —  | —     | —  | 28     | 2  | 30                |
| August    | ... | ... | ... | ... | 12     | 2  | 7         | 3  | —           | —  | —     | —  | 19     | 5  | 24                |
| September | ... | ... | ... | ... | 11     | 6  | 9         | —  | —           | —  | —     | —  | 20     | 6  | 26                |
| October   | ... | ... | ... | ... | 11     | 4  | 11        | —  | —           | —  | —     | —  | 22     | 4  | 26                |
| November  | ... | ... | ... | ... | 16     | 2  | 5         | 1  | —           | —  | —     | —  | 21     | 3  | 24                |
| December  | ... | ... | ... | ... | 7      | 1  | 9         | —  | —           | —  | 1     | —  | 17     | 1  | 18                |
| TOTAL     |     |     |     |     | 100    | 21 | 98        | 13 | 4           | —  | 8     | 1  | 210    | 35 | 245               |

DISEASES OF THE NERVOUS SYSTEM.

TABLE XLVIII.—SHOWING CASES OF THE BRAIN.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February ... ..  | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| March ... ..     | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| April ... ..     | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May ... ..       | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| June ... ..      | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| July ... ..      | —      | —  | —         | —  | —           | —  | 1     | —  | 1      | —  | 1                 |
| August ... ..    | 2      | —  | 3         | —  | 3           | —  | —     | —  | 8      | —  | 8                 |
| September ... .. | —      | —  | 1         | —  | 2           | —  | 1     | —  | 4      | —  | 4                 |
| October ... ..   | 1      | —  | 2         | 1  | —           | —  | 1     | —  | 4      | 1  | 5                 |
| November ... ..  | —      | 1  | 2         | —  | 2           | —  | 2     | —  | 6      | 1  | 7                 |
| December ... ..  | —      | —  | 4         | —  | —           | —  | —     | 1  | 4      | 1  | 5                 |
| TOTAL ... ..     | 3      | 1  | 14        | 1  | 7           | —  | 5     | 1  | 29     | 3  | 32                |

TABLE XLIX.—SHOWING CASES OF THE SPINAL CORD.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| February ... ..  | —      | —  | —         | —  | —           | 1  | —     | —  | —      | 1  | 1                 |
| March ... ..     | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| April ... ..     | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May ... ..       | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| June ... ..      | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| July ... ..      | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| August ... ..    | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| September ... .. | —      | —  | —         | 1  | 2           | —  | —     | —  | 3      | 1  | 4                 |
| October ... ..   | —      | —  | —         | —  | —           | 1  | 1     | —  | —      | 1  | 1                 |
| November ... ..  | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| December ... ..  | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| TOTAL ... ..     | —      | —  | 5         | 1  | 2           | 2  | 1     | —  | 8      | 3  | 11                |

TABLE L.—SHOWING OTHER CASES OF THE NERVOUS DISEASES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 4         | —  | 2           | 1  | 1     | —  | 7      | 1  | 8                 |
| February ... ..  | 1      | —  | 4         | —  | 1           | 1  | 1     | —  | 7      | 1  | 8                 |
| March ... ..     | 1      | —  | 5         | —  | —           | —  | 2     | —  | 8      | —  | 8                 |
| April ... ..     | 2      | 1  | 5         | —  | 2           | 1  | —     | —  | 9      | 2  | 11                |
| May ... ..       | —      | —  | 1         | —  | 2           | 1  | —     | —  | 3      | 1  | 4                 |
| June ... ..      | 2      | —  | 5         | 2  | —           | —  | —     | —  | 7      | 2  | 9                 |
| July ... ..      | 2      | —  | 3         | —  | —           | —  | —     | 1  | 5      | 1  | 6                 |
| August ... ..    | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| September ... .. | 1      | —  | 2         | —  | 1           | —  | —     | —  | 4      | —  | 4                 |
| October ... ..   | 1      | —  | —         | 1  | —           | —  | —     | —  | 1      | 1  | 2                 |
| November ... ..  | 1      | —  | 1         | 1  | —           | —  | —     | —  | 2      | 1  | 3                 |
| December ... ..  | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| TOTAL ... ..     | 11     | 1  | 31        | 4  | 8           | 4  | 4     | 1  | 54     | 10 | 64                |



TABLE LI.—SHOWING CASES OF THE SPLEEN.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| February  | ... | ... | ... | ... | —      | —  | 2         | —  | —           | —  | 1     | —  | 3      | —  | 3                 |
| March     | ... | ... | ... | ... | —      | —  | 1         | —  | 2           | —  | 1     | —  | 4      | —  | 4                 |
| April     | ... | ... | ... | ... | —      | —  | 7         | —  | 2           | —  | —     | —  | 9      | —  | 9                 |
| May       | ... | ... | ... | ... | —      | —  | 3         | 1  | 2           | —  | —     | —  | 5      | 1  | 6                 |
| June      | ... | ... | ... | ... | 1      | —  | 4         | 1  | 1           | —  | —     | —  | 6      | 1  | 7                 |
| July      | ... | ... | ... | ... | 4      | —  | 1         | 3  | —           | —  | —     | —  | 5      | 3  | 8                 |
| August    | ... | ... | ... | ... | 2      | —  | 1         | 3  | —           | —  | 2     | —  | 5      | 3  | 8                 |
| September | ... | ... | ... | ... | 1      | —  | 6         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| October   | ... | ... | ... | ... | 1      | 3  | 8         | —  | —           | —  | —     | —  | 9      | 3  | 12                |
| November  | ... | ... | ... | ... | —      | —  | 2         | —  | 2           | —  | —     | —  | 4      | —  | 4                 |
| December  | ... | ... | ... | ... | 1      | —  | 1         | —  | —           | —  | 1     | —  | 3      | —  | 3                 |
| TOTAL ... |     |     |     |     | 10     | 3  | 36        | 8  | 9           | —  | 5     | —  | 60     | 11 | 71                |

TABLE LII.—SHOWING OTHER BLOOD DISEASES.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 2      | —  | 3         | 1  | —           | —  | —     | —  | 5      | 1  | 6                 |
| February  | ... | ... | ... | ... | —      | —  | 2         | 1  | —           | —  | —     | —  | 2      | 1  | 3                 |
| March     | ... | ... | ... | ... | —      | 1  | —         | 1  | 1           | —  | —     | —  | 1      | 2  | 3                 |
| April     | ... | ... | ... | ... | 1      | —  | —         | 1  | —           | —  | —     | —  | 1      | 1  | 2                 |
| May       | ... | ... | ... | ... | —      | —  | 2         | 2  | 1           | —  | —     | —  | 3      | 2  | 5                 |
| June      | ... | ... | ... | ... | —      | —  | 4         | 1  | —           | —  | 2     | —  | 6      | 1  | 7                 |
| July      | ... | ... | ... | ... | —      | —  | 4         | —  | 1           | —  | —     | —  | 5      | —  | 5                 |
| August    | ... | ... | ... | ... | 1      | —  | 1         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| September | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| October   | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| November  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| December  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| TOTAL ... |     |     |     |     | 4      | 1  | 16        | 7  | 3           | —  | 2     | —  | 25     | 8  | 33                |

TABLE LIII.—SHOWING CASES OF THE NEPHRITIS.

| MONTH.    |     |     |     |     | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 1      | —  | 2         | 1  | —           | —  | 1     | —  | 4      | 1  | 5                 |
| February  | ... | ... | ... | ... | 1      | —  | 3         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| March     | ... | ... | ... | ... | —      | 1  | 1         | 1  | —           | —  | —     | —  | 1      | 2  | 3                 |
| April     | ... | ... | ... | ... | 2      | 1  | 1         | 2  | —           | —  | 1     | —  | 4      | 3  | 7                 |
| May       | ... | ... | ... | ... | —      | —  | 1         | 1  | —           | —  | —     | —  | 1      | 1  | 2                 |
| June      | ... | ... | ... | ... | 2      | —  | 2         | 2  | —           | —  | —     | —  | 4      | 2  | 6                 |
| July      | ... | ... | ... | ... | 2      | —  | 1         | 1  | —           | —  | 1     | —  | 4      | 1  | 5                 |
| August    | ... | ... | ... | ... | 1      | —  | 5         | —  | 1           | —  | —     | —  | 7      | —  | 7                 |
| September | ... | ... | ... | ... | 1      | —  | 4         | —  | —           | —  | 2     | —  | 7      | —  | 7                 |
| October   | ... | ... | ... | ... | 1      | —  | 2         | —  | —           | —  | 3     | 1  | 6      | 1  | 7                 |
| November  | ... | ... | ... | ... | 1      | 1  | 3         | 1  | —           | —  | —     | 1  | 4      | 3  | 7                 |
| December  | ... | ... | ... | ... | 1      | —  | 1         | —  | —           | —  | —     | 3  | 2      | 3  | 5                 |
| TOTAL ... |     |     |     |     | 13     | 3  | 26        | 9  | 1           | —  | 8     | 5  | 48     | 17 | 65                |

TABLE LIV.—SHOWING OTHER URINARY DISEASES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 2      | —  | 3         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| February ... ..  | 4      | —  | —         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| March ... ..     | 4      | 1  | 2         | —  | —           | —  | —     | —  | 6      | 1  | 7                 |
| April ... ..     | 5      | —  | 2         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| May ... ..       | 8      | —  | 4         | —  | 1           | —  | —     | —  | 13     | —  | 13                |
| June ... ..      | 5      | —  | 3         | —  | 2           | —  | —     | —  | 10     | —  | 10                |
| July ... ..      | 8      | 1  | 4         | —  | 2           | —  | 1     | —  | 15     | 1  | 16                |
| August ... ..    | 8      | 2  | 2         | —  | 1           | —  | —     | —  | 11     | 2  | 13                |
| September ... .. | 3      | —  | 5         | —  | 4           | —  | —     | —  | 12     | —  | 12                |
| October ... ..   | 8      | —  | —         | 1  | —           | —  | —     | —  | 8      | 1  | 9                 |
| November ... ..  | 3      | —  | 3         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| December ... ..  | 11     | —  | 3         | —  | —           | —  | —     | —  | 14     | —  | 14                |
| TOTAL ... ..     | 69     | 4  | 31        | 1  | 10          | —  | 1     | —  | 111    | 5  | 116               |

DISEASES OF THE GENERAL CONSTITUTION.

TABLE LV.—SHOWING CASES OF RHEUMATISM.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 13     | —  | 3         | 4  | —           | —  | —     | —  | 16     | 4  | 20                |
| February ... ..  | 5      | —  | 2         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| March ... ..     | 8      | —  | 2         | —  | 3           | —  | —     | —  | 13     | —  | 13                |
| April ... ..     | 9      | 1  | 2         | 3  | 1           | —  | —     | —  | 12     | 4  | 16                |
| May ... ..       | 6      | 1  | 1         | 1  | 1           | —  | —     | —  | 8      | 2  | 10                |
| June ... ..      | 6      | —  | 1         | 3  | —           | —  | —     | —  | 7      | 3  | 10                |
| July ... ..      | 7      | —  | 4         | 2  | 1           | —  | —     | —  | 12     | 2  | 14                |
| August ... ..    | 11     | —  | 1         | 1  | —           | —  | —     | —  | 12     | 1  | 13                |
| September ... .. | 3      | —  | 1         | 2  | —           | —  | —     | —  | 4      | 2  | 6                 |
| October ... ..   | 1      | 1  | 2         | —  | —           | —  | —     | —  | 3      | 1  | 4                 |
| November ... ..  | 5      | —  | 2         | 1  | —           | —  | —     | —  | 7      | 1  | 8                 |
| December ... ..  | 5      | —  | —         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| TOTAL ... ..     | 79     | 3  | 21        | 17 | 6           | —  | —     | —  | 106    | 20 | 126               |

TABLE LVI.—SHOWING CASES OF DIABETES.

| MONTH.           | CURED. |    | IMPROVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 1         | —  | —           | 1  | —     | —  | 1      | 1  | 2                 |
| February ... ..  | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| March ... ..     | 1      | —  | 2         | 2  | 3           | —  | —     | —  | 6      | 2  | 8                 |
| April ... ..     | —      | —  | —         | 1  | 1           | —  | —     | —  | 1      | 1  | 2                 |
| May ... ..       | —      | —  | —         | 2  | —           | —  | —     | —  | —      | 2  | 2                 |
| June ... ..      | —      | —  | 2         | —  | —           | 1  | —     | —  | 2      | 1  | 3                 |
| July ... ..      | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| August ... ..    | —      | —  | 1         | —  | 3           | —  | —     | —  | 4      | —  | 4                 |
| September ... .. | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| October ... ..   | —      | —  | 1         | 1  | —           | —  | —     | —  | 1      | 1  | 2                 |
| November ... ..  | —      | —  | 4         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| December ... ..  | —      | —  | 2         | 1  | —           | —  | —     | 1  | 2      | 2  | 4                 |
| TOTAL ... ..     | 1      | —  | 17        | 7  | 7           | 2  | —     | 1  | 25     | 10 | 35                |



TABLE LVII.—SHOWING CASES OF SENILITY.

| MONTH.           | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | —         | —  | 1           | —  | 1     | —  | 2      | —  | 2                 |
| February ... ..  | —      | —  | 2         | —  | —           | 3  | 1     | —  | 3      | 3  | 6                 |
| March ... ..     | —      | —  | —         | —  | —           | —  | 2     | 1  | 2      | 1  | 3                 |
| April ... ..     | —      | —  | —         | 1  | —           | 2  | 1     | —  | 1      | 3  | 4                 |
| May ... ..       | —      | —  | 1         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| June ... ..      | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| July ... ..      | —      | —  | —         | —  | 1           | —  | 1     | —  | 2      | —  | 2                 |
| August ... ..    | —      | —  | 4         | —  | —           | —  | 1     | 1  | 5      | 1  | 6                 |
| September ... .. | —      | —  | —         | 1  | 1           | —  | —     | —  | 1      | 1  | 2                 |
| October ... ..   | —      | —  | —         | —  | 1           | —  | —     | —  | 1      | —  | 1                 |
| November ... ..  | —      | —  | —         | —  | —           | —  | 1     | 1  | 1      | 1  | 2                 |
| December ... ..  | —      | —  | —         | —  | —           | 1  | —     | —  | —      | 1  | 1                 |
| TOTAL ... ..     | —      | —  | 7         | 2  | 4           | 6  | 9     | 3  | 20     | 11 | 31                |

TABLE LVIII.—SHOWING CASES OF DEBILITY.

| MONTH.           | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 2      | —  | 3         | 1  | 1           | —  | 3     | —  | 9      | 1  | 10                |
| February ... ..  | —      | 1  | —         | —  | —           | —  | 1     | —  | 1      | 1  | 2                 |
| March ... ..     | 1      | —  | —         | —  | —           | —  | 2     | —  | 3      | —  | 3                 |
| April ... ..     | —      | —  | —         | 1  | —           | —  | —     | —  | —      | 1  | 1                 |
| May ... ..       | —      | —  | —         | 2  | —           | 1  | 2     | 2  | 2      | 5  | 7                 |
| June ... ..      | 1      | 1  | 2         | 2  | —           | —  | 2     | 1  | 5      | 4  | 9                 |
| July ... ..      | 1      | —  | 5         | 2  | 1           | 1  | 2     | —  | 9      | 3  | 12                |
| August ... ..    | 1      | —  | 3         | 2  | —           | —  | 1     | 1  | 5      | 3  | 8                 |
| September ... .. | —      | —  | 3         | 2  | 10          | 1  | 1     | 2  | 14     | 5  | 19                |
| October ... ..   | 1      | —  | 1         | —  | —           | —  | 2     | 3  | 4      | 3  | 7                 |
| November ... ..  | 1      | 1  | 1         | —  | —           | —  | 3     | —  | 5      | 1  | 6                 |
| December ... ..  | —      | 1  | 1         | —  | —           | —  | 2     | —  | 3      | 1  | 4                 |
| TOTAL ... ..     | 8      | 4  | 19        | 12 | 12          | 3  | 21    | 9  | 60     | 28 | 88                |

DISEASES CAUSED BY GERMS OR WORMS.

TABLE LIX.—SHOWING CASES OF PELLAGRA.

| MONTH.           | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| February ... ..  | —      | —  | 1         | —  | —           | —  | 1     | —  | 2      | —  | 2                 |
| March ... ..     | —      | —  | —         | —  | —           | 1  | 1     | —  | 1      | 1  | 2                 |
| April ... ..     | 2      | —  | 3         | —  | —           | —  | 3     | —  | 8      | —  | 8                 |
| May ... ..       | 1      | —  | 5         | —  | 4           | —  | 1     | —  | 11     | —  | 11                |
| June ... ..      | —      | —  | 5         | —  | —           | —  | 2     | —  | 7      | —  | 7                 |
| July ... ..      | —      | —  | 2         | —  | 1           | —  | 1     | —  | 4      | —  | 4                 |
| August ... ..    | —      | —  | —         | —  | —           | —  | 1     | —  | 1      | —  | 1                 |
| September ... .. | —      | —  | 1         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| October ... ..   | —      | —  | —         | —  | —           | —  | —     | 2  | —      | 2  | 2                 |
| November ... ..  | —      | —  | 3         | —  | —           | —  | —     | —  | 3      | —  | 3                 |
| December ... ..  | —      | —  | —         | 1  | 1           | —  | 3     | —  | 4      | 1  | 5                 |
| TOTAL ... ..     | 3      | —  | 23        | 1  | 6           | 1  | 13    | 2  | 45     | 4  | 49                |

TABLE LX.—SHOWING CASES OF MALARIA.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 2      | —  | —         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| February  | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| March     | ... | ... | ... | ... | 1      | —  | —         | —  | —           | —  | —     | —  | 1      | —  | 1                 |
| April     | ... | ... | ... | ... | —      | —  | —         | —  | —           | —  | —     | —  | —      | —  | —                 |
| May       | ... | ... | ... | ... | 4      | —  | 1         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| June      | ... | ... | ... | ... | 5      | 1  | —         | —  | —           | —  | —     | —  | 5      | 1  | 6                 |
| July      | ... | ... | ... | ... | 8      | —  | 1         | —  | —           | —  | —     | —  | 9      | —  | 9                 |
| August    | ... | ... | ... | ... | 12     | 1  | 3         | —  | —           | —  | —     | —  | 15     | 1  | 16                |
| September | ... | ... | ... | ... | 19     | 1  | —         | —  | —           | —  | —     | —  | 19     | 1  | 20                |
| October   | ... | ... | ... | ... | 15     | 1  | —         | —  | —           | —  | —     | —  | 15     | 1  | 16                |
| November  | ... | ... | ... | ... | 9      | 2  | —         | —  | —           | —  | —     | —  | 9      | 2  | 11                |
| December  | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| TOTAL ... |     |     |     |     | 80     | 6  | 5         | —  | —           | —  | —     | —  | 85     | 6  | 91                |

TABLE LXI.—SHOWING CASES OF ANKYLOSTOMA.

| MONTH.           | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|------------------|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|                  | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January ... ..   | 3      | 1  | —         | —  | —           | —  | —     | —  | 3      | 1  | 4                 |
| February ... ..  | 6      | —  | —         | —  | 1           | —  | —     | —  | 7      | —  | 7                 |
| March ... ..     | 6      | —  | 1         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| April ... ..     | 6      | —  | —         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| May ... ..       | 1      | —  | 1         | —  | —           | —  | —     | —  | 2      | —  | 2                 |
| June ... ..      | 1      | —  | 3         | —  | —           | —  | —     | —  | 4      | —  | 4                 |
| July ... ..      | —      | —  | 5         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| August ... ..    | 8      | —  | 6         | 2  | —           | —  | —     | —  | 14     | 2  | 16                |
| September ... .. | 4      | —  | 7         | 5  | —           | —  | 1     | —  | 12     | 5  | 17                |
| October ... ..   | 11     | —  | 10        | —  | —           | —  | —     | —  | 21     | —  | 21                |
| November ... ..  | 9      | —  | 5         | —  | —           | 1  | 1     | —  | 15     | 1  | 16                |
| December ... ..  | 3      | —  | 4         | 1  | —           | —  | —     | —  | 7      | 1  | 8                 |
| TOTAL ... ..     | 58     | 1  | 42        | 8  | 1           | 1  | 2     | —  | 103    | 10 | 113               |

TABLE LXII.—SHOWING CASES OF FILARIA.

[illegible]



POISONING.

TABLE LXIII.—SHOWING CASES OF ALCOHOLIC POISONING.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 10     | —  | —         | —  | —           | —  | —     | —  | 10     | —  | 10                |
| February  | ... | ... | ... | ... | 11     | —  | —         | —  | —           | —  | —     | —  | 11     | —  | 11                |
| March     | ... | ... | ... | ... | 8      | 2  | —         | —  | —           | —  | —     | —  | 8      | 2  | 10                |
| April     | ... | ... | ... | ... | 10     | —  | —         | —  | —           | —  | —     | —  | 10     | —  | 10                |
| May       | ... | ... | ... | ... | 11     | —  | —         | —  | —           | —  | —     | —  | 11     | —  | 11                |
| June      | ... | ... | ... | ... | 13     | 1  | —         | —  | —           | —  | —     | —  | 13     | 1  | 14                |
| July      | ... | ... | ... | ... | 8      | —  | —         | —  | —           | —  | —     | —  | 8      | —  | 8                 |
| August    | ... | ... | ... | ... | 14     | —  | —         | —  | —           | —  | —     | —  | 14     | —  | 14                |
| September | ... | ... | ... | ... | 10     | —  | —         | —  | —           | —  | —     | —  | 10     | —  | 10                |
| October   | ... | ... | ... | ... | 19     | 1  | —         | —  | —           | —  | —     | —  | 19     | 1  | 20                |
| November  | ... | ... | ... | ... | 10     | —  | —         | —  | —           | —  | —     | —  | 10     | —  | 10                |
| December  | ... | ... | ... | ... | 10     | —  | —         | —  | —           | —  | —     | —  | 10     | —  | 10                |
| TOTAL ... |     |     |     |     | 134    | 4  | —         | —  | —           | —  | —     | —  | 134    | 4  | 138               |

TABLE LXIV.—SHOWING OTHER CASES OF POISONING.

| MONTH.    |     |     |     |     | CURED. |    | RELIEVED. |    | UNRELIEVED. |    | DIED. |    | TOTAL. |    | GENERAL<br>TOTAL. |
|-----------|-----|-----|-----|-----|--------|----|-----------|----|-------------|----|-------|----|--------|----|-------------------|
|           |     |     |     |     | M.     | F. | M.        | F. | M.          | F. | M.    | F. | M.     | F. |                   |
| January   | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | —     | 1  | 5      | 1  | 6                 |
| February  | ... | ... | ... | ... | 6      | —  | —         | —  | —           | —  | —     | —  | 6      | —  | 6                 |
| March     | ... | ... | ... | ... | 6      | —  | 1         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| April     | ... | ... | ... | ... | 5      | —  | —         | —  | —           | —  | —     | —  | 5      | —  | 5                 |
| May       | ... | ... | ... | ... | 6      | 4  | 1         | —  | —           | —  | —     | —  | 7      | 4  | 11                |
| June      | ... | ... | ... | ... | 11     | 5  | —         | —  | —           | —  | 3     | 1  | 14     | 6  | 20                |
| July      | ... | ... | ... | ... | 7      | —  | —         | —  | —           | —  | —     | —  | 7      | —  | 7                 |
| August    | ... | ... | ... | ... | 8      | —  | —         | —  | —           | —  | 1     | —  | 9      | —  | 9                 |
| September | ... | ... | ... | ... | 17     | —  | —         | —  | —           | —  | 2     | —  | 19     | —  | 19                |
| October   | ... | ... | ... | ... | 7      | 3  | —         | 1  | —           | —  | 2     | —  | 9      | 4  | 13                |
| November  | ... | ... | ... | ... | 5      | 1  | —         | —  | —           | —  | 1     | —  | 6      | 1  | 7                 |
| December  | ... | ... | ... | ... | 7      | —  | —         | —  | —           | —  | 1     | —  | 8      | —  | 8                 |
| TOTAL ... |     |     |     |     | 90     | 13 | 2         | 1  | —           | —  | 10    | 2  | 102    | 16 | 118               |

GYNAECOLOGICAL AND MIDWIFERY DISEASES

TABLE LXV.—SHOWING CASES OF MIDWIFERY.

| MONTH.    |     |     |     |     | CURED. | IMPROVED. | UNRELIEVED | DIED. | TOTAL. |
|-----------|-----|-----|-----|-----|--------|-----------|------------|-------|--------|
| January   | ... | ... | ... | ... | 3      | —         | —          | —     | 3      |
| February  | ... | ... | ... | ... | 4      | —         | 1          | —     | 5      |
| March     | ... | ... | ... | ... | 9      | —         | —          | —     | 9      |
| April     | ... | ... | ... | ... | 7      | —         | —          | —     | 7      |
| May       | ... | ... | ... | ... | 7      | —         | —          | —     | 7      |
| June      | ... | ... | ... | ... | 5      | —         | —          | 1     | 6      |
| July      | ... | ... | ... | ... | 8      | —         | 1          | 2     | 11     |
| August    | ... | ... | ... | ... | 7      | —         | 1          | 1     | 9      |
| September | ... | ... | ... | ... | 8      | —         | —          | —     | 8      |
| October   | ... | ... | ... | ... | 4      | 2         | —          | —     | 6      |
| November  | ... | ... | ... | ... | 7      | —         | —          | 1     | 8      |
| December  | ... | ... | ... | ... | —      | —         | —          | 1     | 1      |
| TOTAL ... |     |     |     |     | 69     | 2         | 3          | 6     | 80     |

TABLE LXVI.—SHOWING GYNOECOLOGICAL CASES.

| MONTH.           | CURED. | IMPROVED. | UNRELIEVED | DIED. | TOTAL. |
|------------------|--------|-----------|------------|-------|--------|
| January ... ..   | 6      | —         | —          | —     | 6      |
| February ... ..  | 11     | 1         | —          | 1     | 13     |
| March ... ..     | 11     | 5         | 1          | —     | 17     |
| April ... ..     | 9      | 1         | 3          | —     | 13     |
| May ... ..       | 8      | 1         | —          | 1     | 10     |
| June ... ..      | 9      | 1         | 1          | —     | 11     |
| July ... ..      | 13     | 2         | 2          | —     | 17     |
| August ... ..    | 12     | 4         | 1          | 1     | 18     |
| September ... .. | 6      | 3         | 1          | 1     | 11     |
| October ... ..   | 8      | 8         | 1          | —     | 17     |
| November ... ..  | 9      | —         | —          | —     | 9      |
| December ... ..  | 7      | 3         | 1          | —     | 11     |
| TOTAL ... ..     | 109    | 29        | 11         | 4     | 153    |

| OPERATIONS.                         | CURED. | IMPROVED. | UNRELIEVED. | DIED. | UNDER<br>TREATMENT. | TOTAL. |
|-------------------------------------|--------|-----------|-------------|-------|---------------------|--------|
| Laparotomies ... ..                 | 138    | 2         | 3           | 2     | 8                   | 153    |
| Herniotomy :—                       |        |           |             |       |                     |        |
| Inguinal ... ..                     | 367    | —         | —           | 2     | 4                   | 373    |
| Ventral ... ..                      | 10     | —         | —           | —     | —                   | 10     |
| Crural ... ..                       | 5      | —         | —           | —     | —                   | 5      |
| After operations ... ..             | 2      | —         | —           | —     | —                   | 2      |
| Recurrent ... ..                    | 7      | —         | —           | —     | —                   | 7      |
| Strangulated hernia :—              |        |           |             |       |                     |        |
| Inguinal ... ..                     | 26     | 1         | —           | 4     | —                   | 31     |
| Exomphalos ... ..                   | 2      | —         | —           | 1     | —                   | 3      |
| Hydrocele and Hæma ... ..           | 227    | —         | —           | —     | 3                   | 230    |
| Varicocele ... ..                   | 67     | —         | —           | —     | —                   | 67     |
| Castration ... ..                   | 12     | —         | —           | —     | —                   | 12     |
| Undescended testicle ... ..         | 4      | —         | —           | —     | —                   | 4      |
| Trephining ... ..                   | 44     | 1         | —           | —     | —                   | 45     |
| Prostatectomy ... ..                | 12     | —         | —           | 1     | —                   | 13     |
| Kidney operations ... ..            | 8      | —         | —           | 1     | —                   | 9      |
| Benign tumours and cysts. ... ..    | 41     | 2         | —           | —     | 2                   | 45     |
| Malignant tumours :—                |        |           |             |       |                     |        |
| Sarcoma of Lower jaw ... ..         | 1      | —         | —           | 1     | —                   | 2      |
| „ Thigh ... ..                      | —      | —         | —           | —     | —                   | —      |
| „ Breast ... ..                     | —      | —         | —           | —     | —                   | —      |
| Epithelioma of lip ... ..           | 2      | —         | —           | —     | —                   | 2      |
| Rodent Ulcer ... ..                 | —      | —         | —           | —     | —                   | —      |
| Cancer of breast ... ..             | 2      | —         | —           | 1     | 1                   | 4      |
| „ Tongue ... ..                     | —      | —         | —           | —     | —                   | —      |
| „ Axilla ... ..                     | —      | —         | —           | —     | —                   | —      |
| Other operations ... ..             | 4      | —         | —           | —     | —                   | 4      |
| Parotid and salivary calcul. ... .. | 1      | —         | —           | —     | —                   | 1      |
| Goitre ... ..                       | 9      | —         | —           | —     | —                   | 9      |
| Amputations :—                      |        |           |             |       |                     |        |
| Due to injury ... ..                | 34     | 1         | —           | 6     | 1                   | 42     |
| „ Disease ... ..                    | 19     | —         | —           | 2     | —                   | 21     |
| Carried Forward ...                 | 1,044  | 7         | 3           | 21    | 19                  | 1,094  |



| OPERATIONS.                                      | CURED. | IMPROVED. | UNRELIEVED | DIED. | UNDER TREATMENT. | TOTAL. |
|--|--------|-----------|------------|-------|------------------|--------|
| <i>Brought Forward</i> ...                       | 1,044  | 7         | 3          | 21    | 19               | 1,094  |
| Supernumerary Finger:—                           |        |           |            |       |                  |        |
| Lithotrity ...                                   | 17     | —         | —          | —     | —                | 17     |
| Suprapubic... ..                                 | 23     | —         | —          | —     | —                | 23     |
| Perineal ... ..                                  | 10     | —         | —          | —     | —                | 10     |
| Cysposcopy ... ..                                | —      | —         | 3          | —     | —                | 3      |
| Mastoid ... ..                                   | 7      | —         | —          | —     | 1                | 8      |
| Circumcision ... ..                              | 2      | —         | —          | —     | —                | 2      |
| Fist. in Ano. ... ..                             | 51     | 76        | —          | —     | 1                | 128    |
| Urinary fist. ... ..                             | 9      | —         | 8          | —     | —                | 17     |
| Piles and fissures ... ..                        | 384    | —         | —          | 1     | 2                | 387    |
| Anal and ischio-rectal abscess ... ..            | 29     | —         | —          | —     | —                | 29     |
| Necrosis ... ..                                  | 79     | 8         | —          | —     | 8                | 95     |
| Extract of Nail ... ..                           | 1      | —         | —          | —     | —                | 1      |
| Plastic... ..                                    | 14     | —         | —          | —     | —                | 14     |
| Skin grafting ... ..                             | 7      | —         | —          | —     | —                | 7      |
| Abscesses, cellulitis, sinuses, ulcers, etc. ... | 175    | 9         | —          | 1     | 8                | 193    |
| Carbuncle of Back ... ..                         | 4      | —         | —          | —     | —                | 4      |
| Carbuncle of neck ... ..                         | 3      | 1         | —          | 1     | —                | 5      |
| Elephantiasis ... ..                             | 1      | 2         | —          | —     | —                | 3      |
| Hare lip ... ..                                  | 6      | 1         | —          | —     | —                | 7      |
| Prolapse of rectum ... ..                        | 26     | —         | —          | —     | —                | 26     |
| Imperforate anus ... ..                          | —      | —         | —          | —     | —                | —      |
| Spina bifida ... ..                              | —      | —         | —          | —     | —                | —      |
| Varicose veins ... ..                            | —      | 5         | —          | —     | —                | 5      |
| Papilloma of rectum ... ..                       | 3      | 9         | —          | —     | —                | 12     |
| Decortication ... ..                             | —      | —         | —          | —     | —                | —      |
| Flap wounds ... ..                               | 12     | 16        | —          | 1     | —                | 29     |
| Ranula ... ..                                    | 1      | —         | —          | —     | —                | 1      |
| Dilatation of urethra ... ..                     | —      | —         | —          | —     | —                | —      |
| Trimming operations ... ..                       | 15     | 10        | —          | 1     | 1                | 27     |
| Gunshot wounds ... ..                            | 5      | —         | —          | —     | —                | 5      |
| Bilharziasis... ..                               | —      | 11        | —          | —     | —                | 11     |
| Bone operations:—                                |        |           |            |       |                  |        |
| Plating and wiring ... ..                        | 7      | —         | —          | —     | —                | 7      |
| Compound fractures... ..                         | 17     | —         | —          | —     | —                | 17     |
| Excisions:—                                      |        |           |            |       |                  |        |
| Head of Mandible ... ..                          | 1      | —         | —          | —     | —                | 1      |
| Shoulder ... ..                                  | —      | —         | —          | —     | —                | —      |
| Elbow... ..                                      | 4      | 1         | —          | —     | —                | 5      |
| Knee ... ..                                      | 1      | —         | —          | —     | —                | 1      |
| Hip ... ..                                       | 1      | —         | —          | —     | —                | 1      |
| Foreign bodies ... ..                            | 7      | —         | —          | —     | —                | 7      |
| Nasal polypi ... ..                              | 2      | —         | —          | —     | —                | 2      |
| Glands of neck ... ..                            | 24     | 7         | 1          | —     | 2                | 34     |
| ,, axilla... ..                                  | 3      | —         | —          | —     | 1                | 4      |
| ,, groin... ..                                   | —      | 3         | —          | —     | —                | 3      |
| Examination under chloroform ... ..              | 6      | 2         | 3          | —     | —                | 11     |
| Reduction of dislocation ... ..                  | 2      | 1         | —          | —     | —                | 3      |
| Stitch sinus ... ..                              | 5      | —         | —          | —     | 1                | 6      |
| Tonsillectomy ... ..                             | 9      | —         | —          | —     | 1                | 10     |
| Tracheotomy ... ..                               | 8      | 1         | 1          | —     | —                | 10     |
| Tenotomy ... ..                                  | 8      | —         | —          | —     | —                | 8      |
| GENERAL TOTAL... ..                              | 2,013  | 170       | 19         | 53    | 46               | 2,301  |
| Percentage ... ..                                | 87.5   | 7.4       | .8         | 2.3   | 2                | —      |

|   |  |  |  |  |  |  |  |  |  |  |  |       |
|---|--|--|--|--|--|--|--|--|--|--|--|-------|
| The following numbers are to be added to the above mentioned total of |  |  |  |  |  |  |  |  |  |  |  |       |
| operations <i>i.e.</i> ... ..   |  |  |  |  |  |  |  |  |  |  |  | 2,301 |
| (a) Minor Gyn. operations ... ..                                      |  |  |  |  |  |  |  |  |  |  |  | 131   |
| (b) Other Surgical operations done in the Female Section ... ..       |  |  |  |  |  |  |  |  |  |  |  | 17    |
|   |  |  |  |  |  |  |  |  |  |  |  | 2,449 |

Details of the Operations (a) and (b) are hereunder mentioned.

| MINOR GYNÆCOLOGICAL OPERATIONS.   |  |  |  |  |  |  |  | CURED. | IMPROVED. | UNRELIEVED. | DIED. | UNDER TREATMENT. | TOTAL. |
|---|--|--|--|--|--|--|--|--------|-----------|-------------|-------|------------------|--------|
| Urethral Caruncle ... ..  |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| ,, Papilloma ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Cyst of external genitals ... ..  |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| Redundant hymen ... ..  |  |  |  |  |  |  |  | 2      | —         | —           | —     | —                | 2      |
| Bartholinectomy ... ..  |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Colpo-perinorrhaphy ... ..  |  |  |  |  |  |  |  | 2      | —         | —           | —     | —                | 2      |
| Anterior colporrhaphy ... ..  |  |  |  |  |  |  |  | 3      | —         | —           | —     | 1                | 4      |
| Posterior colporrhaphy ... ..   |  |  |  |  |  |  |  | 2      | —         | —           | —     | 1                | 3      |
| Vaginal cyst ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Vaginum bipartum ... ..   |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| Colpolleisis ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Vesico-vaginal fistula ... ..   |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| Vaginal drainage ... ..   |  |  |  |  |  |  |  | 5      | 1         | —           | —     | —                | 6      |
| Uterine polypus ... ..  |  |  |  |  |  |  |  | 7      | —         | —           | 2     | —                | 9      |
| Scraping of cervix ... ..   |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| Dilatation of cervix... ..  |  |  |  |  |  |  |  | 14     | —         | —           | —     | 1                | 15     |
| Curettage ... ..  |  |  |  |  |  |  |  | 44     | —         | —           | —     | 4                | 48     |
| Evacutation for abortion ... ..   |  |  |  |  |  |  |  | 15     | —         | —           | —     | —                | 15     |
| TOTAL ... ..  |  |  |  |  |  |  |  | 98     | 1         | —           | 2     | 7                | 108    |
| <i>Mid-wifery.</i>  |  |  |  |  |  |  |  |        |           |             |       |                  |        |
| Eclampsia accouchment forcée ... ..                                     |  |  |  |  |  |  |  | —      | —         | —           | —     | —                | —      |
| Forceps ... ..  |  |  |  |  |  |  |  | 7      | —         | —           | —     | 1                | 8      |
| Craniotomy ... ..   |  |  |  |  |  |  |  | 3      | —         | —           | —     | —                | 3      |
| Podalic version... ..   |  |  |  |  |  |  |  | 10     | —         | —           | 1     | —                | 11     |
| Emberytomy ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| TOTAL... ..   |  |  |  |  |  |  |  | 21     | —         | —           | 1     | 1                | 23     |
| <i>Other Operations (Female Section) not found in the General List.</i> |  |  |  |  |  |  |  |        |           |             |       |                  |        |
| Septic knee... ..   |  |  |  |  |  |  |  | —      | 1         | —           | 1     | —                | 2      |
| Setting of fractures ... ..   |  |  |  |  |  |  |  | 6      | —         | —           | —     | —                | 6      |
| Cold Abscesses ... ..   |  |  |  |  |  |  |  | 2      | —         | 2           | —     | —                | 4      |
| Branchial Cyst ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Turbinates ... ..   |  |  |  |  |  |  |  | 1      | —         | —           | —     | —                | 1      |
| Freeing of Adhesions ... ..   |  |  |  |  |  |  |  | 3      | —         | —           | —     | —                | 3      |
| TOTAL... ..   |  |  |  |  |  |  |  | 13     | 1         | 2           | 1     | —                | 17     |

MEDICO LEGAL REPORTS DRAWN UP IN 1924.

| Medico Legal Reports on serious cases. | Medico Legal Reports on slight cases. | TOTAL. |
|--|---------------------------------------|--------|
| 153                                    | 1,858                                 | 2,011  |





# INSPECTORATE OF PHARMACIES.

## 1.—GENERAL.

The numerous duties carried out during 1924 by the Inspectorate of Pharmacies, under the various laws they administer, are dealt with in the following pages :—

TABLE I.—LIST SHOWING NUMBER OF PHARMACIES IN EGYPT AND RESULTS OF INSPECTION THEREON DURING 1924.

| PHARMACIES.                                       | CAIRO.      | ALEXANDRIA. | PROVINCES. | TOTAL.      |
|---|-------------|-------------|------------|-------------|
| Total of pharmacies existing at the end of 1923 : |             |             |            |             |
| Qualified proprietors ... ..                      | 104 } = 169 | 49 } = 94   | 80 } = 158 | 233 } = 421 |
| Unqualified proprietors ... ..                    | 65 }        | 45 }        | 78 }       | 188 }       |
| Opened during 1924 :—                             |             |             |            |             |
| Qualified proprietors ... ..                      | 10 } = 23   | 7 } = 15    | 14 } = 25  | 31 } = 63   |
| Unqualified proprietors ... ..                    | 13 }        | 8 }         | 11 }       | 32 }        |
| Closed during 1924 :—                             |             |             |            |             |
| Qualified proprietors ... ..                      | 11 } = 17   | 8 } = 18    | 4 } = 21   | 23 } = 56   |
| Unqualified proprietors ... ..                    | 6 }         | 10 }        | 17 }       | 33 }        |
| Existing at the end of 1924 :—                    |             |             |            |             |
| Qualified proprietors ... ..                      | 103 } = 175 | 44 } = 91   | 90 } = 162 | 237 } = 428 |
| Unqualified proprietors ... ..                    | 72 }        | 47 }        | 72 }       | 191 }       |
| Inspected during 1924 :—                          |             |             |            |             |
| Qualified proprietors ... ..                      | 112 } = 195 | 48 } = 98   | 73 } = 139 | 233 } = 432 |
| Unqualified proprietors ... ..                    | 83 }        | 50 }        | 66 }       | 199 }       |
| Satisfactory Inspections :—                       |             |             |            |             |
| Qualified proprietors ... ..                      | 101 } = 177 | 46 } = 94   | 71 } = 136 | 218 } = 407 |
| Unqualified proprietors ... ..                    | 76 }        | 48 }        | 65 }       | 189 }       |
| Unsatisfactory Inspections :—                     |             |             |            |             |
| Qualified proprietors ... ..                      | 11 } = 18   | 2 } = 4     | 2 } = 3    | 15 } = 25   |
| Unqualified proprietors ... ..                    | 7 }         | 2 }         | 1 }        | 10 }        |
| Warning :—  |             |             |            |             |
| Qualified proprietors ... ..                      | 13 } = 21   | 5 } = 9     | 10 } = 17  | 28 } = 47   |
| Unqualified proprietors ... ..                    | 8 }         | 4 }         | 7 }        | 19 }        |

## II.—POISONOUS SUBSTANCES AND STUPEFACIENTS.

### (a) PERMITS.

The number of permits for dealing in poisonous substances and stupefacient drugs during 1924 as compared with that in 1923 is as follows :—

|  | CAIRO. | ALEXANDRIA. | PROVINCES. | TOTAL. |
|--|--------|-------------|------------|--------|
| Total number of permits at the end of 1923   | 72     | 49          | 24         | 145    |
| Number of permits cancelled during 1924 ...  | 3      | —           | —          | 3      |
| Remainder... ..                              | 69     | 49          | 24         | 142    |
| Number of permits granted during 1924 ...    | 10     | 1           | —          | 11     |
| Total number existing at the end of 1924 ... | 79     | 50          | 24         | 153    |

Nine temporary one-year permits granted in 1923 for dealing in stupefacient drugs were renewed during 1924.



The following table shows the number of the authorisations granted in 1924 for dealing in poisonous substances :—

| SCHEDULE OF POISONOUS SUBSTANCES. | CAIRO. | ALEXANDRIA. | PROVINCES. | TOTAL. |
|-----------------------------------|--------|-------------|------------|--------|
| Schedule I ... ..                 | 3      | 0           | 0          | 3      |
| Schedule II ... ..                | 6      | 1           | 0          | 7      |
| Stupefacient drugs ... ..         | 1      | 0           | 0          | 1      |
| TOTAL ... ..                      | 10     | 1           | 0          | 11     |

(b) POISONOUS PLANTS.

No temporary authorisations have been granted for purchasing poisonous plants, *i.e.*, Henbane, Datura, Coloquinth and Belladonna, for export, as the few applicants for such authorisations failed to submit the documents required by the Department.

The following table shows the number of persons authorised to deal in poisonous plants :—

|                   |    |
|-------------------|----|
| Henbane ... ..    | 38 |
| Datura ... ..     | 14 |
| Coloquinth ... .. | 15 |
| Belladonna ... .. | 2  |

The quantity of Henbane exported by authorised dealers of this plant during this year exceeded that of any previous year as it amounted to 123,196 kilogrammes.

(c) OPIUM.

No temporary authorisations for purchasing local opium for export were granted, pending the issue of a new law which will provide for the control of the poppy plant and the trade generally.

Eight authorisations were cancelled by *Arrêtés* issued by the Ministry of the Interior ; their holders having either contravened the prescriptions of the law issued in 1904 (on pharmacy and trade in poisonous substances) or the conditions in the authorisations granted to them.

The number of authorised dealers has thus been reduced to 42.

(d) PARCELS OF POISONOUS AND STUPEFACIENT SUBSTANCES.

Parcels containing poisonous or stupefacient drugs are usually sent to the Inspectorate of Pharmacies either by the Parquet or by *Officiers de Police Judiciaires* to be kept till the cases of contravention or *délit* brought up against their owners, for illegal trade in these substances, are settled ; also some poisonous or stupefacient drugs are brought to the Inspectorate by its *Moawins* and others, in connection with legal actions against offenders.

To keep a proper record of these parcels the Inspectorate has created two books, one for the parcels sent by the Parquet or other Government authorities and the other for the parcels purchased by the *Moawins* and others.

These parcels are kept until final judgment of confiscation or destruction is pronounced ; they are then handed over to the special board charged with their confiscation and destruction.

The Department confiscated 247 parcels of this kind during 1924.

### III.—ANALYSIS OF DRUGS ETC. IN THE LABORATORIES DURING 1924–1925.

|   |     |     |     |     |     |    |         |     |     |
|---|-----|-----|-----|-----|-----|----|---------|-----|-----|
| (1) Samples of salts received from Customs :—   |     |     |     |     |     |    |         |     |     |
| Samples fit   | ... | ... | ... | ... | ... | 78 | } TOTAL | ... | ... |
| ,, unfit  | ... | ... | ... | ... | ... | 8  |         | ... | ... |
| (2) Samples of drugs and <i>spécialités</i> being suspected   | ... | ... | ... | ... | ... | 25 |         |     |     |
| (3) Samples of articles seized (Manzul, poisonous or stupefacient substances)<br>to know their contents                     | ... | ... | ... | ... | ... | 58 |         |     |     |
| (4) Samples of poisonous or stupefacient substances bought from certain<br>establishments where illegal trade is carried on | ... | ... | ... | ... | ... | 59 |         |     |     |
| (5) Samples of <i>spécialités</i> prepared without permit.  | ... | ... | ... | ... | ... | 4  |         |     |     |
|   |     |     |     |     |     |    | TOTAL   | ... | 232 |

### IV.—EGYPTIAN SPÉCIALITÉS.

The Inspectorate of Pharmacies has examined with the utmost care all applications for permits authorising the preparation and sale of Egyptian *spécialités*. Only 13 qualified pharmacists have been granted such permits with regard to the following specialities :—

| SYRUP. | EYEDROPS. | PURGATIVE. | PILLS. | CACHETS. | LOTION. |
|--------|-----------|------------|--------|----------|---------|
| 2      | 4         | 2          | 2      | 1        | 2       |

### V.—PHARMACEUTIC STUDIES.

#### (a) STUDENT PHARMACISTS.

The following table shows the number of the student pharmacists of Kasr el Aini, trained in pharmacies for the prescribed period of 6 months, as well as the students of foreign colleges allowed to be trained in pharmacies :—

|                          |                              |
|--------------------------|------------------------------|
| Students of Kasr el Aini | Students of Foreign Colleges |
| 16                       | 15                           |

#### (b) APPRENTICE ASSISTANT PHARMACISTS.

The issue of Ministerial *Arrêté* No. 2,337 dated July 9, 1922 modifying article 1 of the Regulations relating to the Course of Study and the examination for the certificate of Assistant Pharmaceutical Chemist, attached to Law No. 20 of 1911, providing that candidates for training as assistant pharmacists should at least be in possession of the Secondary Education Certificate Part I, resulted in a great diminution in the number of candidates who registered their names during this year as apprentice assistant pharmacists, compared with the numbers in previous years.

The following table shows the number of apprentices registered this year and of those struck off for various reasons, such as non-compliance with the Regulations above referred to, having passed more than five years without succeeding in the examination for admission to the School of Assistant Pharmacies, or for passing more than two years without being trained in pharmacies; the names of others were struck off on account of their death, giving up their training or going abroad to study pharmacy.





TABLE III.—CONTRAVENTIONS AGAINST THE PHARMACY LAW NO. 14 OF 1904.

| PHARMACIES.                             | CAIRO. | ALEXANDRIA. | PROVINCES. | TOTAL. |
|---|--------|-------------|------------|--------|
| Qualified proprietors ... ..            | 13     | 8           | 9          | 86     |
| „ managers ... ..                       | 11     | 2           | 3          |        |
| Assistant pharmacists ... ..            | 8      | 1           | 3          |        |
| Apprentices ... ..                      | 3      | —           | 1          |        |
| Unqualified proprietors ... ..          | 8      | 1           | 3          |        |
| Unauthorised persons ... ..             | 8      | 1           | 3          |        |
| Judgments given against contraveners :— |        |             |            |        |
| Qualified proprietors ... ..            | —      | 3           | 4          | 16     |
| Qualified managers ... ..               | —      | 1           | 1          |        |
| Assistant pharmacists ... ..            | 1      | 1           | 2          |        |
| Apprentices ... ..                      | 1      | —           | —          |        |
| Unqualified proprietors ... ..          | —      | —           | —          |        |
| Unauthorised persons ... ..             | 1      | —           | 1          |        |
| Cases pending :—                        |        |             |            |        |
| Qualified proprietors ... ..            | 12     | 3           | 3          | 61     |
| „ managers ... ..                       | 10     | —           | 1          |        |
| Assistant pharmacists ... ..            | 7      | —           | 1          |        |
| Apprentices ... ..                      | 2      | —           | 1          |        |
| Unqualified proprietors ... ..          | 8      | 1           | 3          |        |
| Unauthorised persons ... ..             | 7      | —           | 2          |        |
| Cases filed :—                          |        |             |            |        |
| Qualified proprietors ... ..            | —      | 1           | —          | 3      |
| „ managers ... ..                       | 1      | —           | —          |        |
| Assistant pharmacists ... ..            | —      | —           | —          |        |
| Apprentices ... ..                      | —      | —           | —          |        |
| Unqualified proprietors ... ..          | —      | —           | —          |        |
| Unauthorised persons ... ..             | —      | 1           | —          |        |
| Cases acquitted :—                      |        |             |            |        |
| Qualified proprietors ... ..            | 1      | 1           | 2          | 207    |
| Qualified managers ... ..               | —      | 1           | 1          |        |
| Assistant pharmacists ... ..            | —      | —           | —          |        |
| Apprentices ... ..                      | —      | —           | —          |        |
| Unqualified proprietors ... ..          | —      | —           | —          |        |
| Unauthorised persons ... ..             | —      | —           | —          |        |
| Authorised dealers ... ..               | 6      | —           | 1          | 96     |
| Unauthorised dealers ... ..             | 90     | 8           | 96         |        |
| Judgments given against Contraveners:—  |        |             |            |        |
| Authorised dealers ... ..               | 1      | —           | —          | 27     |
| Unauthorised dealers ... ..             | —      | 2           | 24         |        |
| Cases acquitted :—                      |        |             |            |        |
| Authorised dealers ... ..               | —      | —           | —          | 10     |
| Unauthorised ... ..                     | —      | 1           | 9          |        |
| Cases pending :—                        |        |             |            |        |
| Authorised dealers ... ..               | 4      | —           | 1          | 160    |
| Unauthorised dealers ... ..             | 88     | 4           | 63         |        |
| Cases filed :—                          |        |             |            |        |
| Authorised dealers ... ..               | 1      | —           | —          | 4      |
| Unauthorised dealers ... ..             | 2      | 1           | —          |        |





## LUNACY DIVISION.

### PART I.—REPORT OF THE LUNACY DIVISION.

At the beginning of the Financial Year, April 1, 1925, the Lunacy Division which has been directly attached to the Ministry of the Interior since 1914 reverts back to the Department of Public Health.

The retirement of the 3 English Head-Nurses at Abbasiya has necessitated the reorganisation of the "Hareem" entirely under an Egyptian staff but it is gratifying to be able to report that the loss of the English nurses has not been as seriously felt as it was feared.

The European staff has been reduced from 13 to 6, three of whom are engineers and electricians.

**Accommodation existing.**—The number of beds on the establishment remains unchanged. There are 1,503 beds at Abbasiya and 640 at Khanka Asylum, 1,371 being for men and 772 for women, total 2,143.

**Number in Residence.**—The number of patients in residence on March 31, 1925, is 2,583, a provision for the detention of 2,500 insane for about 13,000,000 inhabitants (1 to 5,000).

**Number admitted.**—The admissions, exclusive of transfers between the Asylums, reached a total of 1,366 (compare 1,209 in 1923).

**Admissions to Local Hospitals.**—Besides the above admissions in the two Asylums, 731 were admitted to the local hospitals of the Department of Public Health. The table on page 4 shows the movements of cases so admitted.

**Total Admissions of Insane registered.**—By adding the total of column 15 (328) of the following table to the admissions to the Asylums (1,366), the total number of cases of occurring insanity brought under official cognizance during the year is found to be 1,694 (compare 1,505 in 1923).

**Distribution of Asylum Admissions.**—The distribution of the admissions remains unchanged and is as follows :—

Abbasiya Asylum admits all female cases, all criminal lunatics and paying male cases.

Khanka Asylum admits all non-criminal pauper male cases.

**Discharges.**—1,014 cases were discharged, of whom 220 had recovered and 42 had been found to be sane.

752 cases were handed over to their relatives while still insane, usually because their vacancies were required for new admissions.

**Number of Insane in Egypt.**—It is impossible to give any approximately correct figures as to the rate of the insane to the general population owing to the Asylums being forced to admit "only dangerous or unmanageable lunatics." There is accommodation for 2,500 in the two Asylums, but with admissions numbering 1,400 these two places can hardly be looked upon as more than institutions for the sake of public security. A few private asylums have started lately, but no control has so far been exercised over them and steps should be taken to license and control them.

Abbasiya Asylum besides admitting ordinary cases is also the Criminal Asylum, some 500 being resident. Efforts are made to keep these patients separate from the others as far as possible, but overcrowding and a high admission-rate preclude it being done very effectually. Representations have been made for a separate criminal asylum.

**Admissions and Sickness.**—The outstanding features of the year under review have been the increased admissions effecting all classes at both Asylums and the epidemic of malaria (655 cases) at Khanka Asylum.



| Name of Hospital.         | Number of Cases<br>certified and sent<br>to Asylums. |           |             | Number of Cases<br>discharged as not Insane. |           |             | Number of Cases<br>released as recovered. |           |             | Number of Cases released<br>as still Insane but not<br>requiring Asylum<br>Treatment. |            |              | Total cases released<br>without Certification.<br>i.e., Total of Columns<br>4 to 12. |            |              | Total Cases admitted<br>to Hospitals from<br>April 1, 1924,<br>to March 31, 1925. |            |              | Total Cases<br>admitted into<br>Hospitals in<br>1923, i.e., from<br>April 1, 1923<br>to March 31,<br>1924. |   |
|---------------------------|--|-----------|-------------|--|-----------|-------------|---|-----------|-------------|---|------------|--------------|--|------------|--------------|---|------------|--------------|--|---|
|                           | Males.<br>1  | Fem.<br>2 | TOTAL.<br>3 | Males.<br>4                                  | Fem.<br>5 | TOTAL.<br>6 | Males.<br>7                               | Fem.<br>8 | TOTAL.<br>9 | Males.<br>10  | Fem.<br>11 | TOTAL.<br>12 | Males.<br>13   | Fem.<br>14 | TOTAL.<br>15 | Males.<br>16  | Fem.<br>17 | TOTAL.<br>18 |  |   |
|                           |  |           |             |  |           |             |   |           |             |   |            |              |  |            |              |   |            |              |  |   |
| Isna ...                  | —  | 4         | —           | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Sohâg ...                 | 11   | —         | 15          | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Damietta ...              | —  | 4         | —           | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Asyût ...                 | 5  | —         | 9           | 12   | 3         | 15          | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Beni Suef ...             | 6  | 1         | 7           | 1  | —         | 1           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Qena ...                  | 12   | 5         | 17          | 2  | —         | 2           | —   | —         | —           | 7   | —          | 7            | 9  | —          | —            | —   | —          | —            | —  | — |
| Mansûra...                | 22   | 8         | 20          | —  | —         | —           | 6   | 1         | 7           | —   | —          | —            | 6  | 1          | 7            | —   | —          | —            | —  | — |
| Damanhûr ...              | 15   | 3         | 18          | —  | —         | —           | —   | —         | —           | —   | —          | —            | 23   | 6          | 29           | —   | —          | —            | —  | — |
| Port Saïd ...             | 8  | 5         | 13          | 3  | 1         | 4           | —   | —         | —           | —   | —          | —            | 15   | 5          | 20           | —   | —          | —            | —  | — |
| Minya ...                 | 9  | 3         | 12          | 3  | —         | 3           | —   | —         | —           | —   | —          | 7            | 9  | 1          | 10           | —   | —          | —            | —  | — |
| Shibîn el Kôm ...         | —  | —         | —           | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Suez ...                  | 4  | —         | 4           | 3  | —         | 3           | —   | —         | —           | —   | —          | —            | 2  | —          | —            | —   | —          | —            | —  | — |
| Faiyûm ...                | 14   | 3         | 17          | —  | —         | —           | —   | —         | —           | —   | —          | —            | 3  | 1          | 4            | —   | —          | —            | —  | — |
| Qasr el 'Aini (Cairo) ... | 65   | 24        | 89          | 53   | 13        | 66          | —   | —         | —           | —   | —          | —            | —  | 13         | 66           | —   | —          | —            | —  | — |
| Fever Hospital (Cairo)... | 2  | 2         | 4           | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Tanta ...                 | 16   | 6         | 22          | 4  | —         | 4           | 2   | 1         | 3           | —   | —          | 6            | —  | —          | —            | —   | —          | —            | —  | — |
| Qalyûb ...                | —  | —         | —           | —  | —         | —           | —   | —         | —           | —   | —          | —            | —  | —          | —            | —   | —          | —            | —  | — |
| Benha ...                 | 7  | 2         | 9           | 4  | —         | 4           | —   | —         | —           | —   | —          | —            | 16   | 1          | 17           | —   | —          | —            | —  | — |
| Alexandria ...            | 90   | 29        | 119         | 7  | 2         | 9           | —   | —         | —           | —   | —          | —            | 51   | 29         | 80           | —   | —          | —            | —  | — |
| Aswân ...                 | 4  | 3         | 7           | —  | —         | —           | 3   | —         | 3           | —   | —          | —            | 11   | 1          | 12           | —   | —          | —            | —  | — |
| Zagazig ...               | 8  | 3         | 11          | —  | —         | —           | 1   | —         | 1           | —   | —          | —            | 8  | 2          | 10           | —   | —          | —            | —  | — |
| Total ...                 | 298  | 105       | 403         | 92   | 19        | 111         | 12  | 2         | 14          | 157   | 46         | 203          | 261  | 67         | 328          | 559   | 172        | 731          | 650  | — |
| Compare in 1924 ...       | 239  | 85        | 324         | 151  | 41        | 192         | 7   | —         | 7           | 93  | 34         | 127          | 251  | 75         | 326          | 490   | 160        | 650          | —  | — |

The increased admissions to the already overcrowded Asylums has necessitated the discharge of many insane persons who pass a very short time in the Asylums, and the discharge of potentially dangerous lunatics who have to be set at liberty.

The epidemic of malaria, described in the Khanka Asylum Report (forecasted some years ago), was very serious not only for the staff and patients in the Asylum but also owing to the discharge of many malarial cases to all parts of the country. An effort is now being made to drain the malarial swamps adjoining the Asylum grounds.

**Single-rooms.**—Both Asylums have made great efforts to eliminate as many prison-like features of the Asylums as possible, 260 single-room doors have been removed and the wards made into open ones enabling ordinary beds and bedding to be used instead of “strong clothing.” Many walls, gates, etc., have been taken down, windows and openings constructed wherever possible, letting in light and air, more liberty and occupation is allowed to the patients. The results up to date have been most satisfactory and the Asylums are decidedly much quieter, the 4942 hours of seclusion in 1922, 2498 in 1923, have been reduced at Abbassiya to 457, none at Khanka. Sleeping draughts at night have also been reduced from 4534 to 650. There is also a large drop in artificial feeding. The use of sedative drugs and the occurrence of accidents remain about the same.

The greatest benefit appears to have been from turning the sections made of cells into open wards. These prison-like wards were always very noisy, the patients hanged on the doors, shouted and screamed especially on the female side. This was apparently largely due to the local belief in and terror of ghosts and devils. Patients now appreciate their partial privacy without the accompanying terrifying solitude, and these rooms, are beginning to be looked on as a privilege, also many of the dirty cases have become clean. The atmosphere in a single room in which a lunatic has passed the night, looked after by possibly a lazy, careless or unsympathetic attendant, can better be imagined than described, and these wards became a breeding ground for vermin. The removal of the doors has thus enabled the sections to show a distinct advance in cleanliness.

The death-rate at both Asylums has increased, that at Khanka Asylum can be put down almost entirely to the epidemic of malaria, but the slight increase at Abbassiya and part of the increase at Khanka are explained by the larger admission-rates as shown by table XI, which demonstrates the large death-rate in the first three months of admission.

The admission of lunatics accused of crimes is an ever increasing one, the numbers are largely swollen by weakminded vagrants who have committed some petty offence or merely the actual one of vagrancy. These numbers are bound to increase year by year as civilisation advances and divergencies from the normal are tolerated less and less, it is quite conceivable that what can be put up with in the country districts cannot be in towns where a more civilised standard is aimed at.

Khanka Asylum was originally built with the idea of a working colony for all those weakminded cases who had no one to look after them and could not look after themselves, but the rapid increase of admissions and the want of further provision for the acutely insane forced the conversion of what was intended as a working colony into an asylum. It is thus that Egypt has the anomaly of two large asylums adjoining Cairo and none anywhere else and the enforced long journeys which so many insane have to undergo to obtain treatment.

#### Structural Alterations and Additions :—

|                     |     |     |     |     |     |     |     |     | L.E.  | M.  |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| At ‘Abbâsiya Asylum | ... | ... | ... | ... | ... | ... | ... | ... | 1,737 | 943 |
| At Khanka Asylum    | ... | ... | ... | ... | ... | ... | ... | ... | 2,136 | 292 |
|                     |     |     |     |     |     |     |     |     | <hr/> |     |
| TOTAL               |     |     |     |     |     |     |     |     | 3,874 | 235 |
|                     |     |     |     |     |     |     |     |     | <hr/> |     |

The total amount expended on the structure of ‘Abbâsiya Asylum now amounts to L.E. 183,536, while L.E. 238,291 have been expended on Khanka Asylum.

**Certification and Commitment.**—Ninety-four admission certificates were incomplete and returned for correction.

**Government Employees.**—Thirty-four Government employees were examined for mental trouble and reported on.



Deaths.—The following table shows the death-rate :—

|   | 1924.             |                          |  |                |  | Compare in 1923.                                 |  |
|---|-------------------|--------------------------|--|----------------|--|--|--|
|   | Number of Deaths. | Average Number resident. | Percentage of Deaths to Average Number resident. | Total treated. | Percentage of Deaths to Total treated. | Percentage of Deaths to Average Number resident. | Percentage of Deaths to Total treated. |
| Khanka (males only) ... ..              | 182               | 999                      | 18·22  | 1,741          | 10·45                                  | 12·47  | 7·65                                   |
| ‘Abbâsiya females ... ..                | 86                | 810                      | 10·61  | 1,193          | 7·20                                   | 8·64   | 6·11                                   |
| ‘Abbâsiya non-criminal males ... ..     | 14                | 209                      | 6·69   | 378            | 3·70                                   | 4·51   | 3·06                                   |
| ‘Abbâsiya male criminals ... ..         | 14                | 534                      | 2·62   | 622            | 2·25                                   | 3·38   | 2·81                                   |
| ‘Abbâsiya total males ... ..            | 28                | 743                      | 3·76   | 1,000          | 2·80                                   | 3·78   | 2·92                                   |
| ‘Abbâsiya total males and females... .. | 114               | 1,553                    | 7·34   | 2,193          | 5·19                                   | 6·27   | 4·62                                   |
| Both Asylums total ... ..               | 296               | 2,552                    | 11·59  | 3,934          | 7·52                                   | 8·75   | 6·00                                   |

**Foreign Subjects.**—Forty-nine foreign subjects are in residence at ‘Abbâsiya Asylum. Payment is made for 40 of these cases.

**Receipts for Patients treated at ‘Abbâsiya Asylum.**—The amounts received for the treatment of patients are as follows :—

|                                    | L.E.   | M.  |
|------------------------------------|--------|-----|
| First class patients ... ..        | 1,930  | 457 |
| Second class patients ... ..       | 4,506  | 900 |
| Third class (special diet) ... ..  | 4,369  | 023 |
| Third class (ordinary diet) ... .. | 242    | 283 |
| Total ... ..                       | 11,048 | 663 |
| Miscellaneous receipts ... ..      | 415    | 296 |
| Total ... ..                       | 11,463 | 959 |

Of the above amount L.E. 570·015 milliemes were collected by the local authorities.

**Cost of Maintenance.**—The total annual cost of the Lunacy Division and its two Asylums was L.E. 96,679 including the expense of the Lunacy Division Office (L.E. 4,615) and L.E. 908 the expense of Khanka Asylum Farm.

On deducting the two latter items the cost of the two Asylums is found to be L.E. 91,156.

The average number of patients daily resident having been 2,552, the gross cost per inmate was L.E. 35·719 milliemes per annum (compare L.E. 41·558 in 1923, L.E. 44·515 in 1922 L.E. 58·970 in 1921.

On deducting the receipts (*viz.*, at ‘Abbâsiya L.E. 11,464 received in payment for maintenance, etc., and at Khanka Asylum L.E. 1,359 for receipts for farm produce, etc.) the net cost is found to have been L.E. 78·333, *i.e.*, L.E. 30·695 per inmate per annum (compare L.E. 36·253 in 1923, L.E. 38·830 in 1922, L.E. 35·125 in 1921.

TABLE I.—ADMISSIONS, READMISSIONS, DISCHARGES AND DEATHS FOR THE YEAR 1924.

|   | TOTAL. |
|---|--------|
| In hospitals on April 1, 1924 ... ..                          | 2,532  |
| Cases admitted during the year ending March 31, 1925 :—       |        |
| First admission ... ..  | 1,072  |
| Readmissions ... ..   | 294    |
| Transfers ... ..  | 36     |
| Total admissions ... ..                                       | 1,402  |
| Total cases treated in the year ... ..                        | 3,934  |
| Cases discharged, dead or transferred :—                      |        |
| Recovered ... ..  | 220    |
| Relieved ... ..   | 623    |
| Not improved ... ..   | 129    |
| Not insane ... ..   | 42     |
| Escaped ... ..  | 5      |
| Died ... ..   | 296    |
| Transferred ... ..  | 36     |
| Total number of cases discharged, dead, or transferred ... .. | 1,351  |
| Remaining in hospitals on March 31, 1925 ... ..               | 2,583  |
| Average daily number resident ... ..                          | 2,552  |
| Persons admitted ... ..                                       | 1,330  |
| Maximum daily number resident ... ..                          | 2,646  |
| Minimum daily number resident ... ..                          | 2,476  |



TABLE II.—ADMISSIONS, DISCHARGES, AND DEATHS FOR EACH MONTH.

| Months.                        |     | Admissions. |            |     |          |        | Discharges. |            |     |          |        | Deaths. |            |     |          |        |     |
|--------------------------------|-----|-------------|------------|-----|----------|--------|-------------|------------|-----|----------|--------|---------|------------|-----|----------|--------|-----|
|                                |     | Males.      |            |     | Females. | TOTAL. | Males.      |            |     | Females. | TOTAL. | Males.  |            |     | Females. | TOTAL. |     |
|                                |     | Khanka.     | ʿAbbásiya. |     |          |        | Khanka.     | ʿAbbásiya. |     |          |        | Khanka. | ʿAbbásiya. |     |          |        |     |
| 1924                           |     |             |            |     |          |        |             |            |     |          |        |         |            |     |          |        |     |
| April                          | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| May                            | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| June                           | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| July                           | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| August                         | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| September                      | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| October                        | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| November                       | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| December                       | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| 1925                           |     |             |            |     |          |        |             |            |     |          |        |         |            |     |          |        |     |
| January                        | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| February                       | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| March                          | ... | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| Total                          |     | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |
| Average monthly rate (approx.) |     | ...         | ...        | ... | ...      | ...    | ...         | ...        | ... | ...      | ...    | ...     | ...        | ... | ...      | ...    | ... |

TABLE III.—STATISTICS.

| Year. | Available<br>Accommodation. | Average number<br>resident. | Male Admissions. | Female Admissions. | Total Admissions. | Discharged lunatics<br>(still insane). | Discharged<br>as not insane. | Escapes. | Deaths. | Death-rate<br>on total treated. | Pellagra Admissions. | G.P.L. Admissions. | Cost per annum.<br><br>L.E. | Number of staff. | Seclusion Hours. | Accidents. | Suicides. | Patients sent to<br>Hospitals and released<br>without certification. |
|-------|-----------------------------|-----------------------------|------------------|--------------------|-------------------|--|------------------------------|----------|---------|---------------------------------|----------------------|--------------------|-----------------------------|------------------|------------------|------------|-----------|--|
| 1896  | 370                         | 477                         | 330              | 95                 | 425               | 220                                    | 13                           | —        | 81      | 8.87                            | 8                    | 29                 | —                           | —                | —                | —          | —         | —  |
| 1901  | 500                         | 475                         | 429              | 132                | 561               | 389                                    | 12                           | 2        | 75      | 7                               | 33                   | 25                 | —                           | 137              | —                | 21         | —         | —  |
| 1907  | 640                         | 826                         | 460              | 153                | 613               | 294                                    | 7                            | 1        | 79      | 5.8                             | 89                   | 30                 | 21858                       | 247              | —                | 14         | —         | —  |
| 1913  | 1390                        | 1737½                       | 637              | 228                | 865               | 194                                    | 17                           | —        | 213     | 7.57                            | 145                  | 51                 | 39515                       | 343              | 97181            | 16         | —         | 294  |
| 1917  | 1750                        | 2121                        | 761              | 332                | 1093              | 537                                    | 41                           | 1        | 369     | 11.1                            | 231                  | 61                 | 62038                       | 549              | 30175            | 17         | —         | 176  |
| 1918  | 1750½                       | 2119                        | 724              | 384                | 1108              | 489                                    | 32                           | 2        | 450     | 13.4                            | 316                  | 40                 | 93475                       | 570              | 21607            | 21         | —         | 203  |
| 1919  | 1781                        | 2096                        | 677              | 295                | 972               | 430                                    | 26                           | 4        | 250     | 8.2                             | 161                  | 43                 | 122746                      | 582              | 29467            | 16         | 1         | 179  |
| 1920  | 1841                        | 2155                        | 882              | 365                | 1247              | 707                                    | 24                           | 1        | 210     | 6.2                             | 202                  | 51                 | 153016                      | 617              | 16497            | 11         | —         | 275  |
| 1921  | 2241                        | 2271                        | 933              | 326                | 1259              | 529                                    | 25                           | 3        | 227     | 6.5                             | 225                  | 32                 | 127260                      | 643              | 12660            | 19         | —         | 251  |
| 1922  | 2241                        | 2474                        | 802              | 309                | 1111              | 527                                    | 24                           | 1        | 188     | 5.4                             | 247                  | 27                 | 102463                      | 683              | 4942             | 16         | —         | 243  |
| 1923  | 2434                        | 2524                        | 853              | 356                | 1209              | 703                                    | 52                           | —        | 221     | 5.9                             | 189                  | 40                 | 98501                       | 698              | 2498             | 14         | 1         | 326  |
| 1924  | 2434                        | 2552                        | 1006             | 396                | 1,402             | 752                                    | 42                           | 5        | 296     | 7.52                            | 180                  | 38                 | 96679                       | 689              | 457              | 15         | —         | 328  |



TABLE IV.—OCCUPATIONS OF MALE PATIENTS ADMITTED.

|  | Khanka. | ‘Abbâsiya | Total. |
|--|---------|-----------|--------|
| Shopkeepers and tradesmen... ..        | 73      | 27        | 100    |
| Artisans ... ..                        | 88      | 22        | 110    |
| Fellahîn ... ..                        | 203     | 36        | 239    |
| Servants ... ..                        | 32      | 6         | 38     |
| Porters, labourers, etc. ... ..        | 55      | 10        | 65     |
| Students, fiqis, etc. ... ..           | 35      | 15        | 50     |
| Soldiers, policemen, ghafîrs ... ..    | 11      | 2         | 13     |
| Fishermen, sailors ... ..              | 5       | —         | 5      |
| Professional men ... ..                | 11      | 2         | 13     |
| Clerks and Government employees ... .. | 20      | 20        | 40     |
| Occupations unknown ... ..             | 132     | 57        | 139    |
| Convicts ... ..                        | —       | 7         | 7      |
| Total ... ..                           | 665     | 204       | 869    |

TABLE V.—FORMS OF INSANITY OF PATIENTS ADMITTED.

|  | Males.  |           | Females. | TOTAL. |
|--|---------|-----------|----------|--------|
|  | Khanka. | ‘Abbâsiya |          |        |
| Pellagrous insanity ... ..                   | 71      | 10        | 68       | 149    |
| Mania, depressive ... ..                     | 92      | 23        | 146      | 261    |
| Dementia praecox ... ..                      | 171     | 66        | 72       | 309    |
| General paralysis ... ..                     | 26      | 8         | 4        | 38     |
| Drug insanity ... ..                         | 103     | 25        | 9        | 137    |
| Weakmindedness, imbecility and idiocy ... .. | 103     | 27        | 16       | 146    |
| Senile insanity ... ..                       | 44      | 9         | 14       | 67     |
| Epileptic insanity ... ..                    | 15      | 13        | 10       | 38     |
| Dementia ... ..                              | —       | 21        | 24       | 45     |
| Confusional insanity ... ..                  | 27      | 1         | 5        | 33     |
| Puerperal insanity ... ..                    | —       | —         | 8        | 8      |
| Paranoia ... ..                              | 8       | 1         | 1        | 10     |
| Organic dementia ... ..                      | 3       | —         | 2        | 5      |
| Post-febrile insanity ... ..                 | 2       | —         | 3        | 5      |
| Total ... ..                                 | 665     | 204       | 382      | 1,251  |

TABLE VI.—RACES AND RELIGIONS OF PATIENTS ADMITTED.

|                          | Males.  |            | Females. | TOTAL. |
|--------------------------|---------|------------|----------|--------|
|                          | Khanka. | ‘Abbâsiya. |          |        |
| Mohammedans :—           |         |            |          |        |
| Egyptians ... ..         | 594     | 157        | 312      | 1,063  |
| Sudanese ... ..          | —       | 4          | 7        | 11     |
| Syrian ... ..            | —       | —          | 1        | 1      |
| Tunisian ... ..          | —       | 1          | —        | 1      |
| Christians :—            |         |            |          |        |
| Egyptians (Copts) ... .. | 49      | 15         | 26       | 90     |
| Syrians ... ..           | 1       | 4          | 3        | 8      |
| Armenians... ..          | 2       | 1          | 7        | 10     |
| Greeks ... ..            | 7       | 7          | 7        | 21     |
| British ... ..           | —       | 2          | 2        | 4      |
| Sudanese ... ..          | —       | 1          | —        | 1      |
| French ... ..            | —       | —          | 1        | 1      |
| Russian ... ..           | 1       | —          | 2        | 3      |
| Austrian ... ..          | —       | —          | 1        | 1      |
| Italian... ..            | —       | 4          | 2        | 6      |
| Maltese ... ..           | —       | 1          | —        | 1      |
| German ... ..            | —       | —          | 1        | 1      |
| Jews ... ..              | 7       | 7          | 10       | 24     |
| Unknown ... ..           | 4       | —          | —        | 4      |
| Total ... ..             | 665     | 204        | 382      | 1,251  |

TABLE VII.—NATIONALITIES OF PATIENTS ADMITTED SUFFERING FROM GENERAL PARALYSIS.

| NATIONALITIES.   | Males.  |            | Females. | TOTAL. | RESIDENCE.        | Males.  |            | Females. | TOTAL. |
|------------------|---------|------------|----------|--------|-------------------|---------|------------|----------|--------|
|                  | Khanka. | ‘Abbâsiya. |          |        |                   | Khanka. | ‘Abbâsiya. |          |        |
| Egyptians ... .. | 25      | 7          | 4        | 36     | Cairo ... ..      | 10      | 4          | 2        | 16     |
| British ... ..   | —       | 1          | —        | 1      | Alexandria ... .. | 2       | 2          | —        | 4      |
| French ... ..    | —       | —          | —        | —      | Port Said ... ..  | 2       | —          | —        | 2      |
| Italian ... ..   | —       | —          | —        | —      | Mudirîyas ... ..  | 12      | 2          | 2        | 16     |
| Greek ... ..     | —       | —          | —        | —      |                   |         |            |          |        |
| Roumanian ... .. | —       | —          | —        | —      |                   |         |            |          |        |
| Armenian ... ..  | —       | —          | —        | —      |                   |         |            |          |        |
| Russian... ..    | —       | —          | —        | —      |                   |         |            |          |        |
| Syrian ... ..    | 1       | —          | —        | 1      |                   |         |            |          |        |
| Total ... ..     | 26      | 8          | 4        | 38     | Total ... ..      | 26      | 8          | 4        | 38     |



TABLE VIIa.—PELLAGROUS ADMISSIONS.

| Name of Province or Town. | Males.  |            | Females. | TOTAL. |
|---------------------------|---------|------------|----------|--------|
|                           | Khanka. | ‘Abbâsiya. |          |        |
| Cairo ... ..              | 10      | —          | 11       | 21     |
| Alexandria... ..          | 5       | —          | 3        | 8      |
| <i>Upper Egypt.</i>       |         |            |          |        |
| Minya... ..               | 5       | —          | 1        | 6      |
| Gîza ... ..               | 4       | —          | —        | 4      |
| Asyût ... ..              | 5       | 1          | 4        | 10     |
| Girga ... ..              | —       | 2          | —        | 2      |
| Qena ... ..               | 4       | —          | 5        | 9      |
| Faiyûm ... ..             | 4       | —          | 2        | 6      |
| Beni Suef ... ..          | 3       | —          | 1        | 4      |
| Aswân... ..               | —       | —          | 1        | 1      |
| <i>Lower Egypt.</i>       |         |            |          |        |
| Qalyûbiya ... ..          | 4       | —          | 1        | 5      |
| Beheira ... ..            | 5       | —          | 2        | 7      |
| Gharbiya ... ..           | 20      | 3          | 15       | 38     |
| Sharqiya ... ..           | 13      | 1          | 3        | 17     |
| Minûfiya ... ..           | 14      | 1          | 14       | 29     |
| Daqahliya ... ..          | 6       | 1          | 5        | 12     |
| Convicts ... ..           | —       | 1          | —        | 1      |
| Total... ..               | 102     | 10         | 68       | 180    |

TABLE VIIb.—PELLAGROUS ADMISSIONS ACCORDING TO MONTHS.

| Months.          | Males.  |            | Females. | TOTAL. |
|------------------|---------|------------|----------|--------|
|                  | Khanka. | ‘Abbâsiya. |          |        |
| 1924             |         |            |          |        |
| April ... ..     | 12      | —          | 4        | 16     |
| May ... ..       | 17      | —          | 8        | 25     |
| June ... ..      | 12      | 1          | 5        | 18     |
| July ... ..      | 8       | 1          | 8        | 17     |
| August ... ..    | 5       | —          | 8        | 13     |
| September ... .. | 5       | —          | 3        | 8      |
| October ... ..   | 5       | —          | 5        | 10     |
| November ... ..  | 8       | 2          | 5        | 15     |
| December ... ..  | 4       | —          | 5        | 9      |
| 1925             |         |            |          |        |
| January ... ..   | 3       | —          | 5        | 8      |
| February ... ..  | 7       | 1          | 7        | 15     |
| March... ..      | 16      | 5          | 5        | 26     |
| Total... ..      | 102     | 10         | 68       | 180    |

TABLE VIII.—NUMBER OF PATIENTS ADMITTED FROM EACH DISTRICT.

| Town or Province.                    | Males.  |            | Females. | TOTAL. | Population<br>(Census 1917). |
|--------------------------------------|---------|------------|----------|--------|------------------------------|
|                                      | Khanka. | ‘Abbâsiya. |          |        |                              |
| Cairo ... ..                         | 171     | 77         | 121      | 369    | 790,939                      |
| Alexandria ... ..                    | 64      | 15         | 39       | 118    | 444,617                      |
| Canal ... ..                         | 12      | 1          | 5        | 18     | 91,090                       |
| Damietta ... ..                      | 1       | —          | —        | 1      | 30,984                       |
| Suez ... ..                          | 9       | 4          | 2        | 15     | 30,996                       |
| Eastern Desert Province ... ..       | —       | —          | —        | —      | 37,040                       |
| Western Desert Province ... ..       | —       | —          | —        | —      | 5,371                        |
| Sinai Province ... ..                | —       | —          | —        | —      | 5,430                        |
| Gharbiya ... ..                      | 85      | 19         | 61       | 165    | 1,659,313                    |
| Beheira ... ..                       | 34      | 10         | 11       | 55     | 885,000                      |
| Daqahliya ... ..                     | 28      | 4          | 20       | 52     | 933,643                      |
| Minûfiya ... ..                      | 45      | 8          | 31       | 84     | 1,072,636                    |
| Sharqiya ... ..                      | 40      | 6          | 17       | 63     | 955,497                      |
| Qalyûbiya ... ..                     | 15      | 5          | 5        | 25     | 528,581                      |
| Beni Suef ... ..                     | 24      | 1          | 4        | 29     | 452,893                      |
| Faiyûm ... ..                        | 25      | 3          | 8        | 36     | 507,617                      |
| Giza ... ..                          | 10      | 11         | 10       | 31     | 524,352                      |
| Aswân ... ..                         | 6       | 4          | 3        | 13     | 253,340                      |
| Asyût ... ..                         | 32      | 6          | 15       | 53     | 981,197                      |
| Girga ... ..                         | 18      | 8          | 5        | 31     | 863,234                      |
| Minya ... ..                         | 26      | 7          | 16       | 49     | 763,922                      |
| Qena ... ..                          | 20      | 7          | 6        | 33     | 840,317                      |
| Total ... ..                         | 665     | 196        | 379      | 1,240  | 12,711,009                   |
| Sudan ... ..                         | —       | 1          | —        | 1      |                              |
| Total of ordinary admissions...      | 665     | 197        | 379      | 1,241  |                              |
| Convicts from various prisons ... .. | —       | 7          | 3        | 10     |                              |
| Total patients admitted ... ..       | 665     | 204        | 382      | 1,251  |                              |

TABLE IX.—CAUSES OF INSANITY.

|   | Males.  |            | Females. | TOTAL. |
|---|---------|------------|----------|--------|
|   | Khanka. | ‘Abbâsiya. |          |        |
| Congenital defect resulting in idiocy, imbecility and weakmindedness ... .. | 103     | 15         | 12       | 130    |
| Hereditary defect resulting in :—   |         |            |          |        |
| (1) Adolescent insanity ... ..  | 171     | 19         | 21       | 211    |
| (2) Epileptic insanity ... ..   | 15      | 13         | 10       | 38     |
| Pellagra ... ..   | 71      | 10         | 68       | 149    |
| Toxic agencies :—   |         |            |          |        |
| (a) Endogenous :—   |         |            |          |        |
| Syphilis ... ..   | 27      | 8          | 4        | 39     |
| Fever ... ..  | 8       | —          | 3        | 11     |
| (b) Exogenous :—  |         |            |          |        |
| Drug insanity ... ..  | 105     | 18         | 17       | 140    |
| Puerperium ... ..   | —       | —          | 7        | 7      |
| Old age ... ..  | 28      | 9          | —        | 37     |
| Moral causes : grief, loss, etc. ... ..                                     | 2       | 12         | 28       | 42     |
| Causes unknown ... ..   | 91      | 98         | 199      | 388    |
| Impaired health ... ..  | 44      | 2          | 13       | 59     |
| Total ... ..  | 665     | 204        | 382      | 1,251  |



TABLE X.—CAUSES OF DEATH.

|  | Males.  |            | Females. | TOTAL. |
|--|---------|------------|----------|--------|
|  | Khanka. | ‘Abbāsiya. |          |        |
| Tuberculosis ... ..                          | 10      | 3          | 8        | 21     |
| Diarrhœa and dysentery... ..                 | 22      | 1          | 12       | 35     |
| General paralysis ... ..                     | 18      | 8          | 6        | 32     |
| Pellagra ... ..                              | 46      | 3          | 20       | 69     |
| Heart disease ... ..                         | 7       | 1          | 5        | 13     |
| Senile decay ... ..                          | 13      | 3          | 10       | 26     |
| Diseases of the brain and its meninges... .. | 6       | 1          | 2        | 9      |
| Epilepsy ... ..                              | 8       | 2          | 3        | 13     |
| Septic blood poisoning ... ..                | 2       | —          | 5        | 7      |
| Intestinal obstruction ... ..                | —       | 2          | 1        | 3      |
| Exhaustion from acute brain disease... ..    | 9       | —          | 4        | 13     |
| Pulmonary diseases ... ..                    | 10      | 4          | 7        | 21     |
| Appendicitis ... ..                          | —       | —          | 1        | 1      |
| Diseases of the kidney ... ..                | 7       | —          | —        | 7      |
| Cirrhosis of the liver ... ..                | 1       | —          | —        | 1      |
| Bilharziasis ... ..                          | 2       | —          | —        | 2      |
| Fracture of skull ... ..                     | 1       | —          | —        | 1      |
| Cancer ... ..                                | —       | —          | 1        | 1      |
| Malaria ... ..                               | 19      | —          | —        | 19     |
| Peritonitis ... ..                           | 1       | —          | 1        | 2      |
| Total ... ..                                 | 182     | 28         | 86       | 296    |

TABLE XI.—LENGTH OF RESIDENCE IN HOSPITAL OF PATIENTS DISCHARGED,  
RECOVERED, AND OF THOSE WHO DIED.

| Length of Residence.            | Recovered. |            |          | Died.   |            |          |
|---------------------------------|------------|------------|----------|---------|------------|----------|
|                                 | Males.     |            | Females. | Males.  |            | Females. |
|                                 | Khanka.    | ‘Abbāsiya. |          | Khanka. | ‘Abbāsiya. |          |
| Under one month ... ..          | 9          | 5          | 6        | 34      | 2          | 13       |
| From one to three months ... .. | 40         | 7          | 29       | 20      | 2          | 8        |
| „ three to six months ... ..    | 27         | 6          | 19       | 26      | 4          | 11       |
| „ six to nine months ... ..     | 5          | 7          | 15       | 11      | —          | 9        |
| „ nine to twelve months... ..   | 1          | 6          | 5        | 8       | 1          | 7        |
| „ one to two years ... ..       | 1          | 8          | 6        | 14      | 6          | 11       |
| „ two to three years... ..      | —          | 3          | —        | 17      | —          | 8        |
| „ three to five years... ..     | —          | 5          | 1        | 22      | 4          | 2        |
| „ five to seven years... ..     | —          | 1          | —        | 7       | 1          | 3        |
| Over seven years ... ..         | —          | 5          | 3        | 23      | 8          | 14       |
| Total... ..                     | 83         | 53         | 84       | 182     | 28         | 86       |

The Farm at Khanka continues to pay its way and it should be remembered that an asylum farm is not and should not be run as a commercial speculation. Its main object is to provide a place where patients can be kept occupied with a view to their mental improvement and possible future discharge in a condition to sustain themselves in their life outside.

H. W. DUDGEON.  
*Director of Lunacy.*

## PART II.—REPORT ON ‘ABBÂSÎYA HOSPITAL FOR THE INSANE.

The entire “Hareem” has had to be reorganised owing to the departure of the English head Nurses. A new and separate female entrance has been arranged at the S.W. corner. A more drastic and secure separation of the male from the female side was found necessary. All labour formerly performed by men in the “Hareem” for the distribution of food, scavenging, cleaning and tidying, etc., has been entirely taken over by the female staff, and there is now very little mixing of the male and female sides. Male work in the “Hareem” being confined to skilled labour such as carpenters, plumbers, etc. The female side of the Asylum is especially overcrowded, and the admission rate shows a steady increase year by year.

A great deal of work has been done by the Asylum staff and patients to make the Asylum appear more like a hospital than a place of detention, and the patients have shown great appreciation of these efforts and their general mentality has accordingly improved.

Much remains to be done, mostly work too extensive for the staff to contemplate, the most urgent is the removal of the Kitchen, and Laundries with their attendant heating apparatus to a safer and more convenient position. Their removal would not only eliminate a very distinct risk of fire, but would also enable these places to be converted into much needed wards for the accommodation of patients.

**Number admitted.**—The total number of cases admitted during the year ending March 31, 1925, was 663, of which number 22 were transferred from Khanka Asylum, 16 on their becoming private patients, and 6 on information being received subsequent to their admission to Khanka Asylum that they were accused of crimes. These figures do not include 50 cases destined for Khanka Asylum temporarily admitted to ‘Abbâsîya Asylum.

**Number resident.**—Although the normal establishment of the hospital is now fixed at 1,503 beds (731 for male patients and 772 for female patients), the actual numbers resident are 770 male and 809 female.

**Discharges.**—137 cases were discharged on recovery. 312 cases were discharged still insane to the care of their relatives. 114 patients died, and 14 were transferred to Khanka Asylum on their becoming paupers. Twenty-eight accused persons were found to be not insane and were sent back for trial. Seven convicts were found to be not insane and were sent back to prison. Two escaped and are still at large.

**Classification.**—The 1,579 patients in residence are classified as follows :—

|                            | Males. | Females. | TOTAL. |
|----------------------------|--------|----------|--------|
| Non-criminal :—            |        |          |        |
| 1st class ... ..           | 10     | 3        | 13     |
| 2nd „ ... ..               | 35     | 23       | 58     |
| 3rd European class ... ..  | 96     | 34       | 130    |
| Paupers ... ..             | 138    | 699      | 837    |
| Accused :—                 |        |          |        |
| 1st class ... ..           | 3      | —        | 3      |
| 2nd „ ... ..               | 5      | —        | 5      |
| 3rd European class ... ..  | 3      | —        | 3      |
| Paupers ... ..             | 444    | 42       | 486    |
| Prisoners (paupers) ... .. | 36     | 8        | 44     |
| Total ... ..               | 770    | 809      | 1,579  |



Thus there are 212 paying patients in residence, of whom :—

Sixteen are in the First Class (paying P.T. 40 per diem).

Sixty-three are in the Second Class (paying 20 P.T. per diem).

And 133 are in the Third Class (paying P.T. 10 per diem).

**Pharmacy.**—21,500 prescriptions were dispensed and 610 photographs taken. The milk has been analysed daily.

**Maglis el Hasby.**—Twenty-six reports were sent to the Maglis el Hasby and Maglis el Milli as to the interdiction of patients.

**Voluntary Patients.**—Fifteen patients were admitted at their request. Eleven insane persons brought uncertified were referred to the police for certification.

**Lectures.**—Lectures were delivered on mental diseases to the students of the Cairo Medical School by the Director during the winter. A course of lectures on the nursing of the insane was given to the nursing staff by the Sub-Director.

**Criminals and Criminal Lunatics.**—Fourteen male and three female convicted prisoners were admitted, of whom seven male proved to be sane and were sent back to prison.

137 men and 12 women accused of offences were admitted for examination. Twenty-six men and two women were returned for trial as not being insane.

**Accused Lunatics admitted.**—An analysis of the forms of insanity of the 137 male and 12 female accused persons admitted gives the following statistics :—

|                                     | Males. | Females. | TOTAL. |
|-------------------------------------|--------|----------|--------|
| Dementia ... ..                     | 25     | 2        | 25     |
| Pellagrous insanity... ..           | 9      | 2        | 11     |
| Drug insanity ... ..                | 6      | —        | 6      |
| Maniacal depressive insanity ... .. | 10     | 3        | 13     |
| Congenital ... ..                   | 25     | 1        | 26     |
| Epileptic insanity ... ..           | 6      | —        | 6      |
| Dementia Præcox ... ..              | 32     | 2        | 34     |
| Not insane ... ..                   | 26     | 2        | 28     |
| Total ... ..                        | 137    | 12       | 149    |

Thirteen of the above cases had been inmates of the Asylum formerly.

The offences of the 26 male and 2 female persons found not insane were as follows :—

|                                    | Males. | Females. | TOTAL. |
|------------------------------------|--------|----------|--------|
| Theft... ..                        | 9      | 2        | 11     |
| Vagrancy ... ..                    | 3      | —        | 3      |
| Murder and attempted murder ... .. | 4      | —        | 4      |
| Arson ... ..                       | 1      | —        | 1      |
| Trafficking in drugs ... ..        | 1      | —        | 1      |
| Swindling... ..                    | 3      | —        | 3      |
| Lèse-Majesté ... ..                | 1      | —        | 1      |
| Assault ... ..                     | 4      | —        | 4      |
| Total ... ..                       | 26     | 2        | 28     |

The 121 accused persons found insane were charged with the following offences :—

|  | Males. | Females. | TOTAL. |
|--|--------|----------|--------|
| Theft ... ..                           | 26     | 4        | 30     |
| Attempted murder ... ..                | 4      | —        | 4      |
| Threatening murder ... ..              | 2      | —        | 2      |
| Murder ... ..                          | 14     | 1        | 15     |
| Assault ... ..                         | 24     | —        | 24     |
| Lèse-Majesté ... ..                    | 4      | —        | 4      |
| Trespassing ... ..                     | 7      | 1        | 8      |
| Attempted theft ... ..                 | 3      | —        | 3      |
| Making away with property ... ..       | 1      | 1        | 2      |
| Vagrancy ... ..                        | 8      | —        | 8      |
| Swindling... ..                        | 1      | —        | 1      |
| Destroying property ... ..             | 4      | —        | 4      |
| Arson... ..                            | 5      | 2        | 7      |
| Escaping from police supervision... .. | 5      | —        | 5      |
| Rape and attempted rape ... ..         | 3      | —        | 3      |
| Kidnapping ... ..                      | —      | 1        | 1      |
| Total ... ..                           | 111    | 10       | 121    |



OFFENCES CLASSIFIED ACCORDING TO FORMS OF INSANITY OF ACCUSED.

|   | Theft. | Attempted Murder. | Threatening Murder. | Murder. | Assault. | Lèse Majesté. | Trespassing. | Attempted theft. | Making away with property. | Vagrancy. | Swindling. | Destroying Property. | Arson. | Escaping from Police supervision. | Rape and attempted rape. | Kidnapping. | TOTAL. |
|---|--------|-------------------|---------------------|---------|----------|---------------|--------------|------------------|----------------------------|-----------|------------|----------------------|--------|-----------------------------------|--------------------------|-------------|--------|
| Senile dementia ... ..                    | 2      | —                 | —                   | 1       | 2        | 1             | —            | 1                | —                          | —         | —          | —                    | 1      | —                                 | —                        | —           | 8      |
| Pellagrous insanity ...                   | 3      | —                 | —                   | 1       | 3        | —             | —            | 1                | —                          | —         | —          | —                    | 2      | —                                 | 1                        | —           | 11     |
| Chronic mania and chronic dementia ... .. | —      | —                 | —                   | —       | 3        | —             | 1            | —                | —                          | 1         | —          | —                    | 1      | —                                 | —                        | —           | 6      |
| Drug insanity... ..                       | 2      | —                 | —                   | —       | 2        | —             | —            | —                | —                          | 1         | —          | —                    | —      | 1                                 | —                        | —           | 6      |
| Mania ... ..                              | —      | —                 | —                   | —       | 3        | —             | 1            | —                | 1                          | —         | —          | 1                    | —      | —                                 | —                        | —           | 6      |
| Mania recurrent ... ..                    | —      | —                 | —                   | —       | —        | —             | —            | —                | —                          | —         | —          | —                    | —      | 1                                 | —                        | —           | 1      |
| Adolescent insanity ...                   | 2      | —                 | —                   | —       | —        | —             | —            | —                | —                          | —         | —          | —                    | —      | —                                 | —                        | —           | 2      |
| Weakmindedness ... ..                     | 3      | —                 | —                   | —       | 3        | 1             | 1            | —                | 1                          | 1         | —          | 1                    | —      | 1                                 | —                        | —           | 12     |
| Imbecility and idiocy ...                 | 3      | 1                 | —                   | 1       | 1        | —             | 1            | 1                | —                          | 3         | —          | 1                    | —      | 1                                 | 1                        | —           | 14     |
| Epileptic insanity ... ..                 | 1      | —                 | —                   | 1       | 2        | —             | —            | —                | —                          | —         | —          | —                    | 1      | —                                 | 1                        | —           | 6      |
| Dementia præcox .. ..                     | 12     | 3                 | 2                   | 6       | 2        | 2             | 2            | —                | —                          | —         | 1          | —                    | 2      | —                                 | —                        | —           | 32     |
| Dementia ... ..                           | 2      | —                 | —                   | 1       | 3        | —             | —            | —                | —                          | 2         | —          | 1                    | —      | 1                                 | —                        | 1           | 11     |
| Melancholia ... ..                        | —      | —                 | —                   | 4       | —        | —             | 2            | —                | —                          | —         | —          | —                    | —      | —                                 | —                        | —           | 6      |
| Total ... ..                              | 30     | 4                 | 2                   | 15      | 24       | 4             | 8            | 3                | 2                          | 8         | 1          | 4                    | 7      | 5                                 | 3                        | 1           | 121    |

**Convicted Persons.**—The following return gives the forms of insanity of the 14 male and 3 female convicted persons admitted :—

|                           | Males. | Females. | TOTAL. |
|---------------------------|--------|----------|--------|
| Imbecility... ..          | 1      | —        | 1      |
| Dementia ... ..           | 2      | —        | 2      |
| Pellagrous insanity... .. | 1      | 1        | 2      |
| Melancholia ... ..        | —      | 1        | 1      |
| Mania ... ..              | —      | 1        | 1      |
| Weakmindedness ... ..     | 1      | —        | 1      |
| Dementia præcox ... ..    | 2      | —        | 2      |
| Not insane ... ..         | 7      | —        | 7      |
| Total ... ..              | 14     | 3        | 17     |

Six of the above cases had been inmates of the asylum on former occasions.

**Accused Lunatics discharged.**—Eighty-five accused persons were discharged after treatment, 35 on recovery, 30 being relieved, one transferred to Khanka as an ordinary patient, one escaped and 19 not improved.

**Criminal Lunatics resident.**—The number of criminal lunatics in residence on March 31, 1925, was 491 males and 50 females, of whom 36 males and 8 females were convicts, the rest being accused lunatics.

ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS FOR THE YEAR 1924.

|  | Males. | Females. | TOTAL. |
|--|--------|----------|--------|
| Existing in hospital on April 1, 1924... ..                                    | 733    | 797      | 1,530  |
| Cases admitted during the year ending March 31, 1925 :—                        |        |          |        |
| First admissions ... ..  | 198    | 321      | 519    |
| Readmissions ... ..  | 47     | 75       | 122    |
| Transferred from Khanka Asylum ... ..  | 22     | —        | 22     |
| Total admissions ... ..  | 267    | 396      | 663    |
| Total cases treated in the year ... ..   | 1,000  | 1,193    | 2,193  |
| Cases discharged dead, or transferred :—                                       |        |          |        |
| Recovered ... ..   | 53     | 84       | 137    |
| Relieved ... ..  | 62     | 165      | 227    |
| Not improved... ..   | 41     | 44       | 85     |
| Not insane ... ..  | 32     | 3        | 35     |
| Escaped ... ..   | 1      | 1        | 2      |
| Died... ..   | 28     | 86       | 114    |
| Transferred to Khanka Asylum... ..   | 14     | —        | 14     |
| Total number of cases discharged, dead, or transferred to Khanka Asylum ... .. | 231    | 383      | 614    |
| Remaining in hospital on March 31, 1925 ... ..                                 | 769    | 810      | 1,579  |
| Average daily number resident ... ..   | 743    | 810      | 1,553  |
| Persons admitted *... ..   | 260    | 385      | 645    |
| Maximum daily number resident ... ..   | 774    | 832      | 1,606  |
| Minimum daily number resident ... ..   | 727    | 790      | 1,517  |

**Seclusion.**—Forty-five patients were secluded for a total of 457 hours, *i.e.*, an average of 1.25 hours daily, as against 13.5 in 1922.

\* Persons, *i.e.*, different individuals, in contradiction to “cases” which term may refer to several admissions of the same person during the year. 7 men and 11 women were admitted more than once during the year, and accounted for 18 cases.



**Artificial Feeding.**—152 cases were fed artificially on 1,254 occasions, *i.e.*, an average of two patients were fed thrice daily all the year round.

**Hypnotics.**—655 doses of hypnotics were administered at night, *i.e.*, an average of 1 doze for every three patients treated per annum.

**Epileptic Fits.**—4,098 epileptic fits were recorded.

**Illness treated.**—1,937 cases of illness were treated of whom 29 cases were influenza, 6 cases were sent to Kasr el 'Aini Hospital for operation, of whom 2 died.

**Suicides.**—None.

**Escapes.**—Seven patients succeeded in getting away, five of whom were captured and returned to the hospital, and 2 remain still at large.

**Fire.**—None.

**Births.**—Two children were born during the year.

**Wassermann and Gold Sol.**—Thirty specimens of blood and cerebro-spinal fluid were collected and sent to the Public Health Laboratories (D.P.H.) for examination and gave various results.

**Bilharzia.**—113 male patients and 159 female patients were examined for Bilharzia. They showed the following results :—

| <i>Males.</i>      | <i>Females.</i>     |
|--------------------|---------------------|
| 8 showed live ova. | 26 showed live ova. |
| 2 „ calcified ova. | 3 „ calcified ova.  |

**Accidents.**—Six patients sustained fractures of bones during epileptic fits or excitement. One sustained dislocation of shoulder during a fit. One weak pellagrous case died from shock after an attack of choking over food.

**Autopsies.**—Twenty six post-mortem examinations were made.

**Deaths.**—The following table shows the death rate :—

|                                | 1924-1925         |                          |  |                |  | 1923-1924  |  |
|--------------------------------|-------------------|--------------------------|--|----------------|--|--|--|
|                                | Number of Deaths. | Average number resident. | Percentage of Deaths to average number resident. | Total treated. | Percentage of Deaths to total treated. | Percentage of Deaths to average number resident. | Percentage of Deaths to total treated. |
|                                |                   |                          | %  |                | %                                      | %  | %                                      |
| Females ... ..                 | 86                | 810                      | 10·61  | 1,193          | 7·20                                   | 8·64   | 6·11                                   |
| Non criminal males             | 14                | 209                      | 6·69   | 378            | 3·70                                   | 4·51   | 3·06                                   |
| Male criminals ...             | 14                | 534                      | 2·62   | 622            | 2·25                                   | 3·38   | 2·81                                   |
| Total males ... ..             | 28                | 743                      | 3·76   | 1,000          | 2·80                                   | 3·78   | 2·92                                   |
| Total males and females ... .. | 114               | 1,553                    | 7·34   | 2,193          | 5·19                                   | 6·27   | 4·62                                   |

STATISTICS.

| Year. | REDISENT.                   |                               |                            |                              |                             |                               | TOTAL TREATED.              |             |               | ADMISSIONS. |                           |                             |                          |                            |                            |                              | Discharged cured and uncured. | Discharged not insane. | Escapes. | Deaths. | Death rate % on average No. resident. | Death rate % on total treated. | Pellagra Admissions. | G.P.I. Admissions. | Receipts.                             |        | Number of Staff. | Seclusion hours. | Restraint. | Serious accidents.      | Suicides. | Artificial feeding patients (times). | Nights draughts. | Sedative drugs in Kilos dispensed. | Cases treated for Medical diseases other than mental. | Number of Insane sent to Hospital and released without certification. |     |
|-------|-----------------------------|-------------------------------|----------------------------|------------------------------|-----------------------------|-------------------------------|-----------------------------|-------------|---------------|-------------|---------------------------|-----------------------------|--------------------------|----------------------------|----------------------------|------------------------------|-------------------------------|------------------------|----------|---------|---------------------------------------|--------------------------------|----------------------|--------------------|---------------------------------------|--------|------------------|------------------|------------|-------------------------|-----------|--------------------------------------|------------------|------------------------------------|---|---|-----|
|       | Average No. ordinary Males. | Average No. ordinary Females. | Average No. Accused Males. | Average No. Accused Females. | Average No. Male Prisoners. | Average No. Female Prisoners. | Average No. Total Resident. | Total Male. | Total Female. | Total.      | Ordinary Male Admissions. | Ordinary Female Admissions. | Accused Male Admissions. | Accused Female Admissions. | Prisoners Male Admissions. | Prisoners Female Admissions. |                               |                        |          |         |                                       |                                |                      |                    | Total Admissions including Transfers. | L.E.   |                  |                  |            |                         |           |                                      |                  |                                    |   |   | M.  |
| 1917  | 468                         | 510                           | 357                        | 31                           | 43                          | 6                             | 1,415                       | 1,378       | 863           | 2,241       | 400                       | 322                         | 72                       | 8                          | 23                         | 2                            | 827                           | 535                    | 41       | 0       | 235                                   | 16.6                           | 14.9                 | 124                | 58                                    | 10,734 | 878              | 365              | 30,175     | 1 patient for 35 hours. | 13        | —                                    | 1,276            | 6,775                              | No records.   | 2,467   | 176 |
| 1918  | 429                         | 542                           | 357                        | 31                           | 45                          | 5                             | 1,409                       | 1,201       | 938           | 2,139       | 259                       | 377                         | 65                       | 5                          | 18                         | 2                            | 726                           | 482                    | 31       | 1       | 250                                   | 18.1                           | 11.9                 | 119                | 32                                    | 10,637 | 636              | 386              | 21,607     | —                       | 16        | —                                    | 2,034            | 4,897                              |   | 2,715   | 203 |
| 1919  | 395                         | 565                           | 353                        | 31                           | 45                          | 5                             | 1,394                       | 1,141       | 866           | 2,007       | 266                       | 288                         | 52                       | 5                          | 24                         | 2                            | 637                           | 444                    | 25       | 3       | 136                                   | 9.7                            | 6.7                  | 76                 | 34                                    | 10,533 | 978              | 398              | 29,467     | —                       | 11        | 1                                    | 1,612            | 4,265                              |   | 2,148   | 179 |
| 1920  | 399                         | 609                           | 353                        | 34                           | 45                          | 6                             | 1,446                       | 1,195       | 988           | 2,183       | 302                       | 356                         | 89                       | 9                          | 28                         | 0                            | 784                           | 584                    | 24       | 1       | 101                                   | 7.0                            | 4.6                  | 111                | 39                                    | 11,800 | 000              | 404              | 16,497     | —                       | 8         | —                                    | 3,420            | 7,644                              | 76  | 2,454   | 275 |
| 1921  | 406                         | 658                           | 369                        | 39                           | 52                          | 7                             | 1,531                       | 1,176       | 1,003         | 2,179       | 240                       | 316                         | 81                       | 8                          | 31                         | 2                            | 678                           | 570                    | 23       | 2       | 113                                   | 7.3                            | 5.2                  | 97                 | 15                                    | 11,115 | 992              | 425              | 12,660     | —                       | 4         | —                                    | 5,111            | 7,174                              | 91  | 2,203   | 251 |
| 1922  | 288                         | 694                           | 399                        | 43                           | 58                          | 8                             | 1,490                       | 935         | 1,053         | 1,988       | 87                        | 300                         | 111                      | 8                          | 10                         | 1                            | 517                           | 389                    | 23       | 1       | 92                                    | 6.1                            | 4.6                  | 83                 | 9                                     | 12,045 | 589              | 423              | 4,942      | —                       | 14        | —                                    | 5,787            | 6,633                              | 107   | 2,356   | 243 |
| 1923  | 266                         | 722                           | 422                        | 45                           | 51                          | 8                             | 1,514                       | 959         | 1,095         | 2,054       | 88                        | 339                         | 106                      | 16                         | 21                         | 1                            | 571                           | 394                    | 35       | 0       | 95                                    | 6.27                           | 4.6                  | 103                | 20                                    | 11,848 | 914              | 435              | 2,498      | —                       | 10        | 1                                    | 3,481            | 4,534                              | 55  | 2,236   | 326 |
| 1924  | 209                         | 749                           | 433                        | 53                           | 50                          | 8                             | 1,553                       | 1,000       | 1,193         | 2,193       | 116                       | 381                         | 137                      | 12                         | 14                         | 3                            | 663                           | 449                    | 35       | 2       | 114                                   | 7.34                           | 5.19                 | 78                 | 13                                    | 11,463 | 959              | 426              | 457        | —                       | 8         | —                                    | 1,254            | 655                                | 58  | 1,937   | 328 |

H. W. DURGON,  
*Director.*



PART III.—REPORT ON KHANKA HOSPITAL  
FOR THE INSANE.

**Outbreak of Malaria.**—The predominating feature of the year under review has been the serious epidemic of Malaria which swept accross the Asylum from east to west in the months of June and July 1924, an outbreak which has had a devastating effect on the health of the community patients and staff alike. The total number of persons affected during the year was as follows :—

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Patients affected | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 382 |
| Staff affected    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 273 |
| TOTAL             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 655 |

The monthly distribution was as follows :—

|              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Persons affected. |        |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--------|
|              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Patients.         | Staff. |
| 1924         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |        |
| April...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | —                 | —      |
| May ...      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20                | 31     |
| June...      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 122               | 48     |
| July ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 135               | 81     |
| August ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22                | 62     |
| September    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11                | 14     |
| October ...  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16                | 17     |
| November     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8                 | 6      |
| December     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 26                | 12     |
| 1925         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                   |        |
| January ...  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11                | 2      |
| February ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4                 | —      |
| March ...    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7                 | —      |

**Types of Malaria.**—While the majority of cases have proved to be benign tertian in character, no less than 34 per cent of the blood films returned as positive have proved to be of malignant tertian malaria.

The outbreak commenced towards the end of May at the eastern extremity of the Hospital, *i.e.*, in the married quarters of the attendants, in a group of dwellings which have since been vacated as it is no longer considered either necessary or advisable to have so many of the staff in residence within the grounds of the Asylum. The outbreak spread westwards in very definite fashion and it has been noticed that mosquitoes are most numerous when the direction of the wind is from the East. The outbreak is occupying the attention of the Department of Public Health and steps are being taken to drain the marshes between the Gabel El Asfar Farm and the Hospital. Quinine has been freely issued to patients and staff alike as a preventative and seems to have had a distinctly beneficial effect in impeding the spread of the disease.

Wiring of doors and windows has been carried out in the most urgent places.

As was to be expected, an outbreak of epidemic character such as this has had its influence on the death rate, which has risen from 12·4 per cent on the average number resident in the previous year to 18·2 per cent on the average number resident during the year under review. The total number of persons certified as having died from Malaria was 21, but the total number of persons who died suffering from Malaria and in whom the malaria was the exciting, though not the sole cause of death was 47.

**Spleen Rate.**—The Spleen rate, of importance as indicating not so much the malarial of the moment as the average prevalence of the disease, has been estimated at the close of the year, *i.e.*, during the months of February and March 1925. The result is as follows :—

|   |        |     |
|---|--------|-----|
| Number of patients examined during these months | ... .. | 965 |
| Spleen enlarged to one finger breadth           | ... .. | 117 |
| Spleen enlarged to two fingers breadth          | ... .. | 43  |
| Spleen enlarged to three fingers breadth        | ... .. | 7   |
| Spleen enlarged to over three fingers breadth   | ... .. | —   |
| Total enlarged spleens                          |        | 167 |

or roughly 17 per cent of the patients in residence.

As Christophers\* has pointed out that the adult spleen rate is “the highly malarious community” of Singhbhum, Calcutta is 11 per cent, the above result, considered as a measure of the endemicity of the disease, can hardly be discribed as gratifying.

**Malaria and G.P.**—The General paralytics admitted here are in such advanced stages of the disease that little hope can be entertained of recovery following upon an attack of malaria, either naturally or artificially induced. However, it is as well to place the details, few as they are, on record :—

*Case No. 1.*—A.K. admitted here on 6.2.24 suffering from G.P.I. Developed malaria during outbreak on 2.7.24. No improvement. Died subsequently on 1.10.24.

*Case No. 2.*—A.S. admitted here on 2.12.24 suffering from G.P.I. Injected with 5 cc. of blood from A.M.R. on 16.12.24. blood of A.M.R. had been examined and found positive for benign tertian parasites. A.S. developed malaria on 29.12.24, and blood was found positive for malaria parasites. Died in seizure on 31.12.24.

*Case No. 3.*—M.S.G. admitted here on 31.10.24 suffering from G.P.I. Injected with 5 cc. of blood from A.M.R., as above, on 16.12.24. Blood of M.S.G. found positive for malarial parasites on 3.1.25. No improvement and supsequently discharged at request of relatives on 28.2.25.

*Case No. 4.*—M.A.E.S. admitted here on 21.6.23 suffering from G.P.I. Injected with 5 cc. of blood from M.A.S. on 16.12.24. Blood of M.A.S. had been examined and found positive for benign tertian parasites. M.A.E.S. developed malaria on 16.1.25 and blood was found positive for malarial parasites. No improvement. Still in hospital.

**Pellagra.**—The number of patients admitted suffering from pellagra remains about the same as last year, *viz.*, 102. By far the greatest numbers are admitted in spring and early summer, this constituting one of the most constant features of the malady recorded since the opening of the hospital.

The distribution of the malady in Egypt is another practically constant factor. Of the total number of deaths from this disease during the year under review fifty per cent were cases that had been admitted in previous years.

The details are as follows :—

|   |        |     |
|---|--------|-----|
| Remaining in Hospital on march 31, 1924 | ... .. | 134 |
| Admitted during the year                | ... .. | 102 |

The distribution of these cases remains practically unaltered :—

|                  |        |           |
|------------------|--------|-----------|
|                  |        | Per Cent. |
| From Upper Egypt | ... .. | 25        |
| From Lower Egypt | ... .. | 75        |

\* Ind. Jour. Med. Res. Oct. 1924.—The Mechanism of immunity against malaria in communities living under hyper endemic conditions.



The subsequent history has been :—

|                                      |     |     |     |     |     |     |     |     |     |     |    |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Discharged Recovered                 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 |
| Discharged Relieved                  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 56 |
| Discharged not improved              |     | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 |
| Died                                 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 57 |
| Remaining in Hospital March 31, 1925 |     |     |     |     | ... | ... | ... | ... | ... | ... | 96 |

**Drug Cases.**—Statistics were collected during the year of the total number of patients admitted between 1912-23 whose insanity could be ascribed to the taking of Hasheesh (*a*) in a pure form, and (*b*) mixed with other drugs, chiefly in combination with alcohol, but a certain number, nineteen, in combination with opium alone or in addition to alcohol. The result of the statistics are interesting and show that, as the years pass, hasheesh tends to be taken in combination with other drugs, chiefly alcohol, and not alone as was formerly the case.

|   |     |     |     |     |     |           |
|---|-----|-----|-----|-----|-----|-----------|
| Total number admitted during the 12 years...                                | ... | ... | ... | ... | ... | 376       |
| Where insanity was ascribed to hasheesh pure                                | ... | ... | ... | ... | ... | 100       |
| "    "    "    "    "    "    mixed with other drugs...                     |     |     |     |     |     | 276       |
| Received from the four large towns Cairo, Alexandria, Port-Saïd<br>and Suez | ... | ... | ... | ... | ... | 192       |
| Average age of those admitted   | ... | ... | ... | ... | ... | 32 years. |

Occupations of those admitted-Salesmen and artizans in practically equal proportions furnish fifty per cent of the total numbers.

## FURTHER DRUG STATISTICS.

*April 1924-March 1925.*

|   |     |     |     |     |     |     |     |     |       |           |   |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|---|
| Number of Salesmen admitted               | ... | ... | ... | ... | ... | ... | ... | ... | 73    |           |   |
| „ „ Artisans                              | ... | ... | ... | ... | ... | ... | ... | ... | 88    |           |   |
| „ „ Fellahin                              | ... | ... | ... | ... | ... | ... | ... | ... | 203   |           |   |
| „ „ Salesmen suffering from Drug Insanity | ... | ... | ... | ... | ... | ... | ... | ... | 23=30 | Per cent. |   |
| „ „ Artisans                              | „   | „   | „   | „   | ... | ... | ... | ... | 17=19 | „         | „ |
| „ „ Fellahin                              | „   | „   | „   | „   | ... | ... | ... | ... | 18= 9 | „         | „ |

As there were 103 Drug Cases admitted during the year, 40 of these were either salesmen or artisans giving a result practically similar to past years.

**Admissions.**—There was a welcome drop in the number of cases that had to be discharged as not insane, only six being so admitted, *Cf.* seventeen in the previous year.

**Discharges.**—Owing to lack of accommodation most cases have to be discharged as relieved. This is reflected in the number of readmissions which increase as the years go on. The figures for the past six years are as follows :—

|      |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|
| 1919 | ... | ... | ... | ... | ... | ... | 36  |
| 1920 | ... | ... | ... | ... | ... | ... | 70  |
| 1921 | ... | ... | ... | ... | ... | ... | 97  |
| 1922 | ... | ... | ... | ... | ... | ... | 112 |
| 1923 | ... | ... | ... | ... | ... | ... | 144 |
| 1924 | ... | ... | ... | ... | ... | ... | 172 |

**Standard of Nursing.**—Attendants having become accustomed to the fact that many patients who are not suitable cases for sleeping in dormitories, will sleep well in single rooms from which the doors have been removed, twenty five per cent of the single rooms were thus treated during the year, which, with a similar percentage so treated last year, reduces the locked single rooms in the hospital at night to forty-three.

**Accidents.**—One patient, formerly a criminal, killed another by hitting him a blow on the head with a fâs. A second patient died as the result of abdominal injuries received in a quarrel with a fellow patient ; while a third patient was run down by the hospital ambulance and died as a result of the injuries he had sustained. All were reported to the Parquet and no blame was attached to any one.

**Artificial feeding.**—Six patients 40 times required artificial feeding throughout the year.

**Autopsies.**—Forty-two post-mortem examinations were conducted during the course of the year.

**Epilepsy.**—1,476 epileptic fits have been recorded.

**Lectures.**—During the months of February and March of this year, the Senior Medical Officer delivered a series of lectures to the attendants on the management of the insane.

**Sickness among Staff.**—In comparison, the health of the staff has suffered more from Malaria than the health of the patients. Amongst a Staff of 263, no less than 200 were affected at one time or another.

It is regretted to report the deaths of two attendants from pernicious forms of this disease.

**Death Rate.**—As has been mentioned above, the outbreak of malaria has had its influence on the death rate for the year.

|   |           |
|---|-----------|
|   | Per cent. |
| Mortality on average number resident ... .. | 18·2      |
| Mortality on total cases treated ... ..     | 10·4      |

In addition, it is interesting to note, as evidence of the poverty of physique of patients admitted here, that 30 per cent of the total admissions had to be sent direct to the Infirmary owing to physical disabilities and no less than over 35 per cent of those who died during the year under review were of this class.

ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS.

|   | TOTAL.     |
|---|------------|
| In hospital on April 1, 1924 ... ..             | 1,002      |
| Cases admitted during 1924-1925 :—              |            |
| First admissions ... ..                         | 553        |
| Transferred from 'Abbâsiya Asylum ... ..        | 14         |
| Readmissions ... ..                             | 172        |
| Total admissions ... ..                         | 739        |
| Total cases treated in the year ... ..          | 1,741      |
| Cases discharged or dead :—                     |            |
| Recovered ... ..                                | 83         |
| Relieved ... ..                                 | 396        |
| Not improved ... ..                             | 44         |
| Died ... ..                                     | 182        |
| Transferred to 'Abbâsiya Asylum ... ..          | 22         |
| Escaped... ..                                   | 3 <i>a</i> |
| Not insane ... ..                               | 7 <i>b</i> |
| Total number of cases discharged or dead ... .. | 737        |
| Remaining in hospital on March 31, 1925 ... ..  | 1,004      |
| Average daily number resident ... ..            | 999        |
| Persons admitted ... ..                         | 685        |
| Maximum daily number resident ... ..            | 1,040      |
| Minimum daily number resident ... ..            | 959        |

NOTE: (a) 1 Escaped at close of last year.  
1 of 2 escapes in current year returned on 16th day.  
(b) 1 Admitted at close of last year.



**Voluntary.**—Eight cases were admitted on their own demand without certification.

AVERAGE EXCESS OF POPULATION OVER AVERAGE NORMAL ACCOMMODATION.

|            | Per Cent. |    |     |              |
|------------|-----------|----|-----|--------------|
| 1917... .. | 57·2      | or | 252 | on 440 beds. |
| 1918... .. | 58·6      | „  | 258 | „ 440 „      |
| 1919... .. | 59·5      | „  | 262 | „ 440 „      |
| 1920... .. | 61·1      | „  | 269 | „ 440 „      |
| 1921... .. | 58·4      | „  | 273 | „ 467 „      |
| 1922... .. | 53·7      | „  | 344 | „ 640 „      |
| 1923... .. | 57·8      | „  | 370 | „ 640 „      |
| 1924... .. | 56·0      | „  | 359 | „ 640 „      |

ADMISSION RATES TO RESIDENT POPULATION.

|            | Per Cent. |
|------------|-----------|
| 1917... .. | 38·4      |
| 1918... .. | 54·7      |
| 1919... .. | 47·7      |
| 1920... .. | 65·3      |
| 1921... .. | 78·1      |
| 1922... .. | 60·3      |
| 1923... .. | 63·0      |
| 1924... .. | 73·9      |

**Increase in Weight.**—Average increase in weight on those :—

|             | Resident. | Discharged. |
|-------------|-----------|-------------|
|             | Lbs.      | Lbs.        |
| 1918 ... .. | 8½        | 15          |
| 1919 ... .. | 6         | 20          |
| 1920 ... .. | 8         | 13          |
| 1921 ... .. | 9         | 11          |
| 1922 ... .. | 7½        | 19          |
| 1923 ... .. | 7         | 13          |
| 1924 .. ... | 6         | 10          |

**Machinery.**—The Chief Engineer reports as follows :—

The electric current as well as the water supply have slightly increased in cost against last year, this being due to the higher price of liquid fuel.

Lubricating oils and salaries have slightly decreased.

A new battery to take the night load would probably reduce costs.

The Laundry machinery shows shorter working hours, this being due to a better Steam and Hot water supply, the result of the new horizontal boiler installed and the larger size of steam piping laid down.

The total cost of water to the Hospital was L.E. 900·635.

The continuous current produced amounted to 70,924 K.W.H. and the alternating current produced amounted to 66,649 K.W.H., both at 6·95 mills. giving a total cost of L.E. 966·717.

The Ice Machine produced 5,193 blocks (of 11 kilos. each) costing L.E. 137·571 making 26·5 per block.

The steam for cooking and laundry cost L.E. 488·819.

Light cost L.E. 159·848 for 803 lamps, making 199 mills. per lamp per annum.

The light of one night for the whole hospital costs 438 mills.

COST OF MACHINERY, WATER AND LIGHT, INCLUDING FUEL AND LABOUR BUT NOT REPLACEMENT.

|                         | 1913 |     | 1916 |     | 1920  |     | 1923 |     | 1924 |     |
|-------------------------|------|-----|------|-----|-------|-----|------|-----|------|-----|
|                         | L.E. | M.  | L.E. | M.  | L.E.  | M.  | L.E. | M.  | L.E. | M.  |
| Water ... ..            | 410  | 300 | 632  | 063 | 1,435 | 209 | 737  | 019 | 900  | 635 |
| Electric current ... .. | 226  | 965 | 688  | 213 | 1,811 | 784 | 815  | 981 | 966  | 717 |
| Light ... ..            | 64   | 378 | 76   | 028 | 178   | 057 | 158  | 872 | 159  | 848 |
| Boilers ... ..          | 180  | 855 | 703  | 529 | 890   | 983 | 904  | 189 | 488  | 819 |
| Laundry machine ... ..  | 35   | 060 | 84   | 843 | 217   | 639 | 136  | 661 | 126  | 460 |
| Ice machine ... ..      | 50   | 760 | 80   | 869 | 186   | 521 | 107  | 067 | 137  | 571 |
| Sewage pumps ... ..     | 111  | 955 | 231  | 076 | 448   | 692 | 280  | 798 | 297  | 256 |
| Irrigation pump ... ..  | 43   | 180 | 104  | 858 | 294   | 593 | 155  | 088 | 158  | 661 |

FARM ACCOUNT.

POSITION ON THIRTEEN YEARS WORKING TO 1924-1925.

*Profit and Loss Account.*

|                               | L.E.   | Mill. |                                     | L.E.   | Mill. |
|-------------------------------|--------|-------|-------------------------------------|--------|-------|
| Net profit to 1924-1925... .. | 10,809 | 158   | Excess of receipts over Expenditure | 1,321  | 781   |
|                               |        |       | Stock property, etc.... ..          | 9,487  | 377   |
|                               | 10,809 | 158   |                                     | 10,809 | 158   |

Excess of receipts over Expenditure in 1924-25=L.E. 223.77.



STATISTICS.

| Year. | Available Accommodation. | Average Number Resident. | Admissions, including Transfers. | Discharged Recovered. | Other Discharges. | Discharged not Insane. | Escapes. | Deaths. | MORTALITY.               |                         | Pellagra Admissions. | G. P. I. Admissions. | Number of Staff. | Seclusion Hours. | Restraint. | Accidents. | Suicides. | Artificial Feeding. | Night Draughts. | Sedative Drugs. Kilos. | Cases treated medically. |
|-------|--------------------------|--------------------------|----------------------------------|-----------------------|-------------------|------------------------|----------|---------|--------------------------|-------------------------|----------------------|----------------------|------------------|------------------|------------|------------|-----------|---------------------|-----------------|------------------------|--------------------------|
|       |                          |                          |                                  |                       |                   |                        |          |         | on Average No. Resident. | on Total Cases treated. |                      |                      |                  |                  |            |            |           |                     |                 |                        |                          |
|       |                          |                          | %                                | %                     |                   |                        |          |         |                          |                         |                      |                      |                  |                  |            |            |           |                     |                 |                        |                          |
| 1917  | 600                      | 692                      | 266                              | 36                    | 91                | —                      | 1        | 134     | 19.3                     | 14                      | 107                  | 3                    | 184              | —                | —          | 4          | —         | 21                  | 71              | 8.5                    | 2,612                    |
| 1918  | 600                      | 698                      | 382                              | 66                    | 114               | 1                      | 1        | 190     | 27.2                     | 17.6                    | 197                  | 8                    | 184              | —                | —          | 5          | —         | 100                 | 137             | 7.5                    | 2,918                    |
| 1919  | 600                      | 702                      | 335                              | 70                    | 145               | 1                      | 1        | 114     | 16.2                     | 10.9                    | 85                   | 9                    | 184              | —                | —          | 5          | —         | 8                   | 44              | 4                      | 984                      |
| 1920  | 660                      | 709                      | 463                              | 70                    | 272               | —                      | —        | 109     | 15.3                     | 9.2                     | 91                   | 12                   | 213              | —                | —          | 3          | —         | 2                   | 38              | 7                      | 1,817                    |
| 1921  | 1,000                    | 740                      | 581                              | 56                    | 239               | 2                      | 1        | 114     | 15.3                     | 8.7                     | 128                  | 17                   | 218              | —                | —          | 5          | —         | —                   | 90              | 13.5                   | 1,698                    |
| 1922  | 1,000                    | 984                      | 594                              | 124                   | 259               | 1                      | —        | 96      | 9.7                      | 6.4                     | 164                  | 18                   | 260              | —                | —          | 2          | —         | 1                   | 100             | 24.3                   | 1,252                    |
| 1923  | 1,000                    | 1,010                    | 638                              | 90                    | 428               | 17                     | —        | 126     | 12.4                     | 7.6                     | 86                   | 20                   | 263              | —                | —          | 4          | —         | 3                   | 57              | 36.1                   | 1,287                    |
| 1924  | 1,000                    | 999                      | 739                              | 83                    | 440               | 7                      | 3        | 182     | 18.2                     | 10.4                    | 102                  | 26                   | 263              | —                | —          | 7          | —         | 6                   | 67              | 29.1                   | 2,015                    |

R. S. MILLER.  
*Director.*

# TWELFTH ANNUAL REPORT OF THE OPHTHALMIC SECTION, 1924.

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## Foreword.

During 1924, Gîza Permanent Ophthalmic Hospital was completed and opened for treatment as well as an Ophthalmic Stationary Branch under canvas annexed to the General Hospital at Suez, thus all the provinces of Egypt (except Asswan), the Governorates of Alexandria, Port Said, Damietta and Suez, as well as the three large markazes of Gharbia Province namely Mehalla el Kubra, Kafr el Zayat and Santa, have now been supplied each with a permanent ophthalmic hospital. Asswan, being the only province not supplied with a permanent ophthalmic hospital owing to the poverty and inability of its inhabitants to raise a sum of money sufficient to build a hospital, has been provided with one of the large travelling ophthalmic hospitals until a permanent one is built (same as other mudirias).

Ophthalmic School Clinics are present in every capital of province provided with a permanent ophthalmic hospital as well as in the schools of Hussanieh and Mohammed Ali at Cairo and Ras el Tin and Moharram Bey at Alexandria.

If the great need of the country for treatment from the various eye diseases is taken into consideration, the twenty five ophthalmic hospitals now existing are quite insufficient to deal with the widely apread eye diseases, especially trachoma and acute ophthalmias, from which most Egyptians of all ages suffer. It is therefore very necessary in these circumstances to establish permanent ophthalmic hospitals in the capital towns of markazes as well as many travelling ophthalmic hospitals to visit the towns at long distances from these capitals. In this way ophthalmic treatment would be generalized to all the inhabitants of Egypt.

The cost of maintenance of ophthalmic hospitals, including cost of Central Administration and expenses of ophthalmic clinics at the Government Primary Schools, during 1923-1924 was L.E. 44,610. For this sum, 192,555 new patients and 5,916 in-patients were treated, 103,582 operations performed, 1,885,429 attendances of out-patients recorded and 7,830 pupils inspected. These figures if compared with those of the previous year, will show an increase of more than 22 per cent in the new patients, 18 per cent in the in-patients, 25 per cent in the operations, 13 per cent in the attendances of out-patients and about 4 per cent in the pupils inspected. This increase is due to the facts that the treatment is gratuitous and the careful attention to the patients, which led to the popularity and confidence in the ophthalmic hospitals.

It is also to be noted that the people began to recognise the importance of the early treatment of their children when infected with acute ophthalmias to save them from complete blindness caused by this disease if left untreated for a few days. This is proved by the fact that more than 6 per cent of patients treated were babies under one year and 33 per cent were children from 1 to 15 years.

10·8 per cent of all patients examined were found to be blind, 8 per cent in one eye and 2·8 per cent in both eyes. This percentage, although very high, is gradually falling since 1919 as shown in tables III and XIX. Table IV proves that the important cause of blindness in most cases was acute ophthalmia.

It has been mentioned in the previous annual reports that trachoma affects more than 90 per cent of the population : this applies to the fellah in his field as well as the pupil in his school. It is also to be noted that at the beginning of the school session more than 31 per cent of all the pupils were infected with serious stages of trachoma ; but this percentage fell to 9·4 per cent at the end of the session as a result of the ophthalmic treatment. The methods of treatment adopted at school clinics for the various stages of trachoma were detailed in the ophthalmic Report for 1922. The number of pupils now attending school, who for their defective vision, required spectacles during 1924 and previous years was 433. By the use of these spectacles which were not greater in strength than  $\pm 6$  dioptries, more than 43 per cent of the pupils attained good or fair vision.

The capital expenditure involved in the provision and equipment of the 23 hospitals (Alexandria and Suez Branches annexed to General Hospitals are excluded) has been L.E. 117,300 of which L.E. 23,000 were paid by the Government, more than L.E. 60,000 by public subscription and the rest by the Provincial Councils or municipalities.



### General Remarks.

#### (1) SUEZ OPHTHALMIC BRANCH.

As the Governorate of Suez is situated at a long distance from the nearest ophthalmic hospital and most of its inhabitants, who are poor labourers working in its harbour, are in need of ophthalmic treatment, and as no money is available for building an ophthalmic hospital, the Department established an Ophthalmic Branch under canvas annexed to the General Hospital out of the margins of its budget.

#### (2) BUILDING OPHTHALMIC HOSPITALS IN THE MARKAZES.

As a result of the Department's efforts to provide ophthalmic hospitals in the markazes by the Provincial Councils, Menoûfiya Province Council established an ophthalmic hospital under canvas at Menouf and decided to provide a similar one at Ashmoun ; while Minia Provincial Council raised a sum sufficient for building an ophthalmic hospital at Maghagha which is being built by the Ministry of Public Works.

#### (3) PROVIDING OPHTHALMIC BRANCHES IN THE GENERAL HOSPITALS BUILT IN MARKAZES.

The Department decided that in future every hospital built in any Markaz where there is neither a general nor an ophthalmic hospital, should be a general hospital with an ophthalmic branch for the purpose of generalizing its benefit. Efforts are being made for building hospitals of this kind at the expense of the Provincial Councils at Barrim village, Kom Hamada Markaz, Abu Kirkas and Mallawi.

#### (4) ESTABLISHING TRAVELLING OPHTHALMIC HOSPITALS.

Experience has proved that the travelling ophthalmic hospitals are of great value as they can be installed in the localities remote from the towns with permanent ophthalmic hospitals. The Department, therefore, intended to increase the number of these hospitals as much as possible and applied in its budgetary proposals for 1925–1926 three large travelling hospitals but only two were granted. The Department will continue providing as many as possible of these hospitals.

#### (5) INCREASING THE NUMBER OF BEDS FOR IN-PATIENTS AT THE OPHTHALMIC HOSPITALS.

Owing to the continual increase in the number of in-patients and the lack of money for building additional sections at the permanent ophthalmic Hospitals, and in order to accept the largest possible number of in-patients and to arrange for every facility for them, the Department reorganised the in-patients' sections and provided places for 128 extra beds ; some of these were supplied during 1924 while the rest will be supplied during 1925 out of the credit granted in the 1925–1926 Budget.

#### (6) GENERALIZING OPHTHALMIC TREATMENT ALL OVER EGYPT.

The Department prepared projects for generalizing the ophthalmic treatment all over Egypt including the villages. In case the Government grants the required credits with the assistance of the Provincial Councils and public subscriptions by notables, these projects will be realized gradually in a period of about 20 years.

#### (7) MEMORIAL OPHTHALMIC LABORATORY AT GIZA.

The building of the Memorial Ophthalmic Laboratory near Gîza Ophthalmic Hospital was completed by the Imperial War Graves Commission and handed over to the Government on Jan. 26, 1925. It is being equipped at the expense of the Egyptian Government and will start work as soon as its officials and employees are selected.



### Clinical and Economical Improvement at the Ophthalmic Hospitals.

In the British Medical Journal of October 27, 1923, the following was published :—

#### “ THE STRENGTH OF COCAINE SOLUTIONS FOR LOCAL ANÆSTHESIA.”

“ A. Abraham (Deut. med. Woch., August 31, 1923, p. 1156) confirms the observation made by Hirsch in 1920 that a 3 per cent solution of cocaine is quite as effective in inducing surface anæsthesia as a 10 or 20 per cent solution, provided potassium sulphate is added to the solution. The author recommends the following prescription.”

|   |     |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cocaine hydrochlor...                   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3   |
| Suprarenin. Hydrochlor. (1 in 1,000)... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5   |
| Sol. pot sulph. (2 per cent) ...        | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25  |
| Sol. acid. carbol. (0.5 per cent) ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 |

“ At the Ear and Nose Department of the University Hospital in Cologne the author has found this prescription not merely give as satisfactory anæsthesia as a 20 per cent solution of cocaine ; there is the additional and great advantage of reduced cost and risk of cocaine poisoning. This weak solution can be relied on even for endolaryngeal operations.”

Working upon this, the Department gave instructions for the trial of this solution at certain ophthalmic hospitals under the supervision of the ophthalmic inspectors after substituting Adrenaline for Suprarenine and after experience the Department came to a decision that the following formula are quite satisfactory and were put into force at the ophthalmic hospitals :—

#### (a) Formula of 1 per cent cocaine solution :—

|   |     |     |     |     |     |     |     |     |                      |
|---|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|
| Cocaine hydrochlor                        | ... | ... | ... | ... | ... | ... | ... | ... | 0.05 gm.             |
| Adrenaline hydrochlor sol. 1/1000 sterile | ... | ... | ... | ... | ... | ... | ... | ... | 0.24 c.c. (4 drops). |
| Pot. sulph. sol. 2 per cent sterile       | ... | ... | ... | ... | ... | ... | ... | ... | 1.25 c.c.            |
| Carbol. acid. sol. 0.5 per cent sterile   | ... | ... | ... | ... | ... | ... | ... | ... | 3.50 c.c.            |
| TOTAL SOLUTION ...                        |     |     |     |     |     |     |     |     | 5.04                 |

#### (b) Formula of $\frac{1}{2}$ per cent cocaine solution :—

|   |     |     |     |     |     |     |     |     |                     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|
| Cocaine hydrochlor                        | ... | ... | ... | ... | ... | ... | ... | ... | 0.05 gm.            |
| Adrenaline hydrochlor sol. 1/1000 sterile | ... | ... | ... | ... | ... | ... | ... | ... | 1.0 c.c (16 drops). |
| Pot. sulph. sol. 2 per cent sterile       | ... | ... | ... | ... | ... | ... | ... | ... | 2.5 c.c.            |
| Carbol. acid. sol. 0.5 per cent           | ... | ... | ... | ... | ... | ... | ... | ... | 6.5 c.c.            |
| TOTAL SOLUTION ...                        |     |     |     |     |     |     |     |     | 10.05               |

Dissolve one cocaine tablet of 0.05 gm. in the required already boiled carbolic acid solution when at a temperature of about 50° C. and then add the potassium sulphate solution and *when cool* add the Adrenaline solution.

N.B.—(a) The 1 per cent cocaine solution prepared as above is the anæsthetic used for intra-ocular operations as well as operations on the cornea.

(b) The  $\frac{1}{2}$  per cent cocaine solution is the anæsthetic used for subcutaneous, subconjunctival, and conjunctival anæsthesia for operations on the lids, conjunctiva and orbit (excision of globe, etc.). Only one lid should be injected at a time. The injection of the next lid should be done just before tying the stitches of the first one to allow just enough time for the action of both cocaine and adrenaline.

In addition to the reduced risk of cocaine poisoning by using these formula, a *great economy in the cost of cocaine, amounted to L.E. 500 annually*, has resulted as the quantity of cocaine now assigned for the Ophthalmic Hospitals has been reduced to  $\frac{1}{4}$  of the previous scale.



The Ophthalmological Society of Egypt.

The annual meeting of the Ophthalmological Society of Egypt was held at the Government School of Medicine, Cairo, on Friday March 7, 1924. Most of the Medical Officers of the Ophthalmic Section attended as usual. There were 78 members and some visitors, 15 papers were read, 8 of them by members of the staff on the following subjects:—

A description of a case of double immature senile cataract with successful operation done 10 years ago, a new operation for the relief of trichiasis, leproma of the cornea, on spring catarrh, report on three cases of papilledema, on functional amaurosis and asthenopia, some points in connection with jurisprudence in relation to eyes, and a case of albuminuric retinitis relieved after bilharzial treatment by tartar emetic injections. Also many cases were exhibited by members of the staff.

TABLE I.—PRIMARY GLAUCOMA.

|  |         |
|--|---------|
| Acute ... ..                               | 47)     |
| Subacute ... ..                            | 87)*    |
| Chronic ... ..                             | 2,977)  |
| TOTAL ... ..                               | 3,111   |
| Total number of patients examined ... ..   | 206,342 |
| Per cent of glaucoma cases ... ..          | 1.51    |
| Per cent of absolute glaucoma cases ... .. | .77     |
| Operations:—                               |         |
| Iridectomy ... ..                          | 450     |
| Trephine with iridectomy ... ..            | 908     |

\* Including 1585 absolute monocular and binocular.







TABLE III.—YEARLY PERCENTAGE OF BLINDNESS AMONGST  
OPHTHALMIC HOSPITALS PATIENTS SINCE THE YEAR 1909.

| YEAR.       | Per Cent of Blindness<br>in one or both Eyes. | YEAR.       | Per Cent of Blindness<br>in one or both Eyes. |
|-------------|---|-------------|---|
| 1909 ... .. | 15.6  | 1917 ... .. | 13.9  |
| 1910 ... .. | 17.4  | 1918 ... .. | 14.6  |
| 1911 ... .. | 19.2  | 1919 ... .. | 15.3  |
| 1912 ... .. | 15.8  | 1920 ... .. | 13.8  |
| 1913 ... .. | 14.8  | 1921 ... .. | 12.2  |
| 1914 ... .. | 13.2  | 1922 ... .. | 11.8  |
| 1915 ... .. | 12.0  | 1923 ... .. | 11.2  |
| 1916 ... .. | 11.2  | 1924 ... .. | 10.8  |

N.B.—It is to be noted that there is a gradual decrease in the percentage of blindness since 1919.

The definition of blindness adopted here is that proposed by Trousseau, that is to say inability to count fingers held up at a distance of one meter.

TABLE IV.—CAUSES OF BLINDNESS.

|  |        |
|--|--------|
| A.—Congenital ... ..                                     | 1      |
| B.—Acquired :—   |        |
| I.—Conjunctivitis resulting in :—                        |        |
| (a) Total corneal opacity ... ..                         | 6,827  |
| (b) Shrunken globe ... ..                                | 6,454  |
| (c) Secondary glaucoma ... ..                            | 3,943  |
| (d) Other conditions ... ..                              | 923    |
| II.—Fundus :—  |        |
| (a) Optic atrophy ... ..                                 | 165    |
| (b) Optic neuritis... ..                                 | 25     |
| (c) Retinitis pigmentosa ... ..                          | 24     |
| (d) Detachment of retina ... ..                          | 62     |
| (e) Other diseases of fundus ... ..                      | 151    |
| III.—Glaucoma, Primary :—                                |        |
| Monocular (including absolute No. 790) ... ..            | 1,137  |
| Binocular (   ,,               ,,       ,,   795) ... .. | 1,064  |
| IV.—Cataract ... ..                                      | 2,258  |
| V.—Injury ... ..   | 222    |
| VI.—Operation ... ..                                     | 53     |
| VII.—Infectious disease... ..                            | 17     |
| VIII.—Iritis endogenous ... ..                           | 362    |
| IX.—Various ... ..                                       | 557    |
| TOTAL ... ..   | 24,245 |

TABLE V.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF  
TANTA PRIMARY SCHOOL IN THE YEARS 1914-15 AND 1924-25.

| YEAR.   | Both Corneæ<br>clear. | One Cornea clear,<br>the other showing<br>Opacity. | Opacity of both<br>Corneæ. |
|---------|-----------------------|--|----------------------------|
| 1914-15 | 173                   | 54   | 33                         |
| 1924-25 | 781                   | 78   | 41                         |



TABLE VI.—SYNOPSIS OF WORK OF HOSPITALS SINCE THE YEAR 1921.

|  | 1921      | 1922      | 1923      | 1924      |
|--|-----------|-----------|-----------|-----------|
| Hospitals in existence :—                |           |           |           |           |
| Travelling ... ..                        | 5         | 5         | 5         | 5         |
| Permanent ... ..                         | 16        | 16        | 18        | 20        |
| New patients treated ... ..              | 113,201   | 133,750   | 156,837   | 192,555   |
| Total attendances of out-patients ... .. | 1,322,074 | 1,510,020 | 1,664,791 | 1,885,429 |
| Operations performed ... ..              | 65,378    | 76,035    | 82,466    | 103,582   |
| In-patients ... ..                       | 4,513     | 4,798     | 4,995     | 5,916     |
| Details :—                               |           |           |           |           |
| Patients examined ... ..                 | 127,223   | 147,492   | 174,004   | 206,342   |
| Patients regularly treated ... ..        | 113,201   | 133,750   | 156,837   | 192,555   |
| Incurable cases ... ..                   | 6,727     | 6,582     | 7,859     | 6,858     |
| Blind in one eye... ..                   | 10,566    | 12,524    | 14,394    | 16,535    |
| Blind in both eyes ... ..                | 5,053     | 4,850     | 5,146     | 5,716     |
| Trichiasis cases examined ... ..         | 28,245    | 32,720    | 31,405    | 37,433    |
| „ eyes operated on and cured ... ..      | 28,939    | 30,869    | 33,904    | 42,279    |

TABLE VII.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1924.

|  |           |
|--|-----------|
| 1.—IN-PATIENTS : TOTAL NUMBER ... ..   | 5,916     |
| (Number of available beds 377)   |           |
| Number of diets issued ... ..  | 112,787   |
| 2.—OPERATIONS :—   |           |
| I. Major :—  |           |
| (a) Senile cataract ... ..   | 981       |
| (b) Soft cataract ... ..   | 405       |
| (c) Trichiasis or entropion ... ..   | 42,279    |
| (d) Other operations ... ..  | 9,847     |
| TOTAL ...  | 53,512    |
| II. Minor (including mechanical treatment of trachoma) ... ..  | 50,070    |
| GRAND TOTAL, major and minor operations ... ..   | 103,582   |
| 3.—OUT-PATIENTS :—   |           |
| I.—Incurable ... ..  | 4,913     |
| II.—Postponed ... ..   | 8,874     |
| III.—Tickets issued, i.e. new cases ... ..   | 192,555   |
| IV.—Old cases ... ..   | 1,679,087 |
| V.—Visits made by patients to hospital for treatment (equal I + II + III + IV).  | 1,885,429 |
| VI.—Average number of visits made to hospital by each patient under regular treatment (old cases+tickets issued) ÷ tickets issued. The factor of incurable cases is neglected ... .. | 9.7       |
| VII.—Discharges :—   |           |
| (a) Cured ... ..   | 34,452    |
| (b) Relieved ... ..  | 8,545     |
| (c) Incurable ... ..   | 1,945     |
| (d) Spontaneously ceased to attend after having attended only once...  | 28,986    |
| (e) Spontaneously ceased to attend after having attended more than once  | 85,035    |
| VIII.—Trichiasis cases seen among new out-patients :—  |           |
| (a) No previous operation having been performed ... ..   | 33,695    |
| (b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan) ... ..   | 3,738     |

N.B.—3.   I   Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

      VII (c) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.





TABLE VIII.—LIST OF DISEASES (*continued*).

*Conjunctiva* (contd.):—

|   |         |
|---|---------|
| Trachoma IIc ... ..                                   | 902     |
| „ III including post-trachomatous degeneration ... .. | 127,081 |
| „ IV ... ..   | 8,294   |
| Phlyctenule ... ..                                    | 5,887   |
| Pterygium ... ..                                      | 2,510   |
| Pinguecula ... ..                                     | 352     |
| Xerosis ... ..  | 465     |
| Symblepharon ... ..                                   | 161     |
| Dermoid ... ..  | 15      |

Other conditions :—

|  |     |
|--|-----|
| Argyrosis ... ..                             | 139 |
| Colloid and hyaline degeneration... ..       | 45  |
| Hypertrophied caruncle ... ..                | 104 |
| Injuries (foreign bodies, burn, etc.) ... .. | 130 |
| Cyst ... ..                                  | 41  |

*Eyelids* :—

|                                 |        |
|---------------------------------|--------|
| Pediculus ciliaris ... ..       | 467    |
| Trichiasis and entropion ... .. | 41,051 |
| Distichiasis ... ..             | 146    |
| Ectropion ... ..                | 492    |
| Lagophthalmos ... ..            | 764    |
| Blepharitis ... ..              | 15,793 |
| Hordeolum ... ..                | 856    |
| Wart ... ..                     | 170    |
| Chalazion ... ..                | 1,075  |
| Eczema ... ..                   | 182    |
| Rodent ulcer ... ..             | 15     |
| Dermoid ... ..                  | 45     |
| Ptosis ... ..                   | 316    |
| Erysipelas ... ..               | 3      |
| Herpes ... ..                   | 10     |
| Chancre ... ..                  | 4      |
| Epithelioma ... ..              | 2      |
| Other tumours ... ..            | 50     |
| Leucodermia ... ..              | 7      |
| Coloboma ... ..                 | 1      |

*Lacrimal Apparatus* :—

|                              |       |
|------------------------------|-------|
| Lacrimal fistula ... ..      | 126   |
| Stenosis of the duct ... ..  | 67    |
| Dacryocystitis, acute ... .. | 49    |
| „ chronic ... ..             | 1,692 |

*Cornea* :—

|                                |        |
|--------------------------------|--------|
| Ulceration, simple ... ..      | 9,524  |
| „ hypopyon ... ..              | 496    |
| „ perforation ... ..           | 2,364  |
| „ special forms ... ..         | 98     |
| Pannus ... ..                  | 23,441 |
| Keratitis, interstitial ... .. | 4      |
| „ trachomatous ... ..          | 326    |
| „ neuro-paralytic ... ..       | 1      |
| Nebula or leucoma ... ..       | 66,514 |
| Adherent leucoma ... ..        | 9,622  |
| Totally opaque cornea ... ..   | 6,827  |



















TABLE XII.—WASSERMANN TESTS.

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Positive          | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33  |
| Doubtful          | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1   |
| Negative          | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 82  |
| Unfit             | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9   |
| Anticomplementary | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4   |
| TOTAL...          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 129 |

TABLE XIII.—RESULTS OF EXAMINATION FOR DIPHTHERIA SPECIMENS.

|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Positive  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9   |
| Negative  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 136 |
| Overgrown | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12  |
| Sterile   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33  |
| Unfit     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | —   |
| TOTAL...  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 190 |

TABLE XIV.—NUMBER OF PATIENTS TREATED AND OPERATIONS PERFORMED AT THE OPHTHALMIC HOSPITALS DURING 1924.

| HOSPITALS.           | NUMBER OF PATIENTS. | HOSPITALS.           | NUMBER OF OPERATIONS. |
|----------------------|---------------------|----------------------|-----------------------|
| Giza                 | 18,765              | No. 1, Rôd el Farag  | 9,060                 |
| No. 1, Rôd el Farag  | 17,203              | Gîza                 | 6,982                 |
| Alexandria           | 11,479              | Asyût                | 6,196                 |
| Tanta                | 10,949              | Tanta                | 5,473                 |
| Port Said            | 9,987               | Sohâg                | 5,391                 |
| Asyût                | 9,732               | Benha                | 5,211                 |
| Sohâg                | 8,253               | Shibîn el Kôm        | 4,988                 |
| Beni Suef            | 8,189               | No. 3 T.O.H.         | 4,776                 |
| Shibîn el Kôm        | 8,019               | Beni Suef            | 4,651                 |
| Benha                | 7,448               | Faiyûm               | 4,446                 |
| Minya                | 7,151               | Qena                 | 4,186                 |
| Faiyûm               | 7,142               | Minya                | 3,995                 |
| Zagazig              | 6,888               | Asyût P.C.T.O.H.     | 3,830                 |
| Mansûra              | 6,545               | Mansûra              | 3,682                 |
| Asyût P.C.T.O.H.     | 6,117               | Alexandria           | 3,549                 |
| No. 3 T.O.H.         | 5,731               | Zagazig              | 3,362                 |
| Mahalla el Kubra     | 5,406               | Daqahliya P.C.T.O.H. | 3,315                 |
| Daqahliya P.C.T.O.H. | 5,366               | No. 2 T.O.H.         | 3,164                 |
| Kafr el Zaiyât       | 5,333               | Mahalla el Kubra     | 2,988                 |
| Damietta             | 5,037               | Kafr el Zayat        | 2,830                 |
| Damanhûr             | 4,775               | Santa                | 2,687                 |
| Qena                 | 4,768               | Damietta             | 2,589                 |
| Santa                | 4,631               | Damanhûr             | 2,509                 |
| No. 2 T.O.H.         | 4,434               | Port Said            | 2,255                 |
| Suez                 | 3,207               | Suez                 | 1,467                 |

N.B.—Number of working months :—

|                                 | Months. | Days. |
|---------------------------------|---------|-------|
| Suez (opened on Sept. 13, 1924) | 3       | 18    |
| No. 2 T.O.H.                    | 6       | 2     |
| Giza (opened on March 22, 1924) | 9       | 10    |
| Daqahliya P.C.T.O.H.            | 9       | 25    |
| Asyût P.C.T.O.H.                | 10      | 28    |
| No. 3 T.O.H.                    | 11      | 2     |
| Other Hospitals                 | 12      | —     |



TABLE XV.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL  
OPHTHALMIC HOSPITALS DURING 1924.

| HOSPITALS.                  | MAJOR. | HOSPITALS.                  | MINOR. |
|-----------------------------|--------|-----------------------------|--------|
| No. 1, Rôd el Farag ... ..  | 352    | No. 1, Rôd el Farag ... ..  | 403    |
| Giza ... ..                 | 345    | Giza ... ..                 | 403    |
| Sohâg ... ..                | 285    | Tanta ... ..                | 248    |
| No. 2 T.O.H. ... ..         | 278    | Asyût ... ..                | 247    |
| Asyût ... ..                | 270    | No. 2 T.O.H.... ..          | 243    |
| No. 3 T.O.H. ... ..         | 269    | Suez ... ..                 | 230    |
| Faiyûm... ..                | 231    | Shibîn el Kôm ... ..        | 212    |
| Benha ... ..                | 229    | Benha ... ..                | 205    |
| Tanta ... ..                | 208    | Asyût P.C.T.O.H. ... ..     | 195    |
| Beni Suef ... ..            | 205    | Beni Suef ... ..            | 182    |
| Shibîn el Kôm ... ..        | 202    | Minya ... ..                | 166    |
| Qena ... ..                 | 199    | Sohâg ... ..                | 164    |
| Daqahliya P.C.T.O.H. ... .. | 180    | No. 3 T.O.H. ... ..         | 163    |
| Mansûra ... ..              | 178    | Alexandria ... ..           | 160    |
| Suez ... ..                 | 177    | Daqahliya P.C.T.O.H. ... .. | 157    |
| Minya ... ..                | 167    | Qena ... ..                 | 150    |
| Zagazig ... ..              | 165    | Faiyûm... ..                | 140    |
| Asyût P.C.T.O.H. ... ..     | 155    | Mahalla el Kubra ... ..     | 134    |
| Alexandria ... ..           | 135    | Damietta ... ..             | 130    |
| Santa ... ..                | 126    | Mansûra ... ..              | 129    |
| Kafr el Zaiyât ... ..       | 123    | Port Said ... ..            | 119    |
| Damanhûr ... ..             | 115    | Zagazig... ..               | 115    |
| Mahalla el Kubra ... ..     | 115    | Kafr el Zaiyât ... ..       | 113    |
| Damietta ... ..             | 86     | Santa ... ..                | 98     |
| Port Said ... ..            | 69     | Damanhûr ... ..             | 94     |

TABLE XVI.—NEW PATIENTS TREATED ACCORDING TO THE AGE  
AT WHICH THEY SOUGHT TREATMENT.

| AGE.                     | NO. OF PATIENTS. |
|--------------------------|------------------|
| Under one year ... ..    | 12,298           |
| From 1 to 5 years ... .. | 26,569           |
| „ 6 to 10 years ... ..   | 19,390           |
| „ 11 to 15 „ ... ..      | 17,928           |
| „ 16 to 20 „ ... ..      | 14,747           |
| „ 21 to 25 „ ... ..      | 15,656           |
| „ 26 to 30 „ ... ..      | 14,894           |
| „ 31 to 35 „ ... ..      | 15,596           |
| „ 36 to 40 „ ... ..      | 12,647           |
| „ 41 to 45 „ ... ..      | 12,129           |
| „ 46 to 50 „ ... ..      | 9,046            |
| „ 51 to 55 „ ... ..      | 6,674            |
| „ 56 to 60 „ ... ..      | 5,710            |
| „ 61 to 65 „ ... ..      | 4,583            |
| „ 66 to 70 „ ... ..      | 2,588            |
| Over 70 years ... ..     | 2,100            |
| TOTAL ... ..             | 192,555          |

TABLE XVII.—NEW PATIENTS TREATED PER MONTH.

|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| January   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7,524   |
| February  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7,503   |
| March     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,116  |
| April     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10,685  |
| May       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18,731  |
| June      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24,117  |
| July      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,260  |
| August    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22,693  |
| September | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21,130  |
| October   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,200  |
| November  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16,849  |
| December  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,747  |
| TOTAL     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 192,555 |

TABLE XVIII.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Qurashia), one place in Cairo (Giza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place on each month. This is shown in appended table, the reading being in degrees centigrade.

| MONTH.    |     |     |     |     |     |     |     |     |     |     | QURASHIYA. | GIZA. | ASYÛT. | AVERAGE. |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|-------|--------|----------|
| January   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10·1       | 10·2  | 11·3   | 10·5     |
| February  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11·9       | 13·4  | 14·5   | 13·3     |
| March     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15·1       | 15·6  | 18·1   | 16·3     |
| April     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18·7       | 19·4  | 23·6   | 20·6     |
| May       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22·2       | 22·5  | 25·8   | 23·5     |
| June      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 26·6       | 26·9  | 30·2   | 27·9     |
| July      | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 27·6       | 28·0  | 30·6   | 28·7     |
| August    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 27·0       | 27·6  | 30·1   | 28·2     |
| September | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25·1       | 25·2  | 27·5   | 25·9     |
| October   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21·6       | 22·1  | 23·8   | 22·5     |
| November  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16·8       | 17·0  | 17·6   | 17·1     |
| December  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12·8       | 13·0  | 13·5   | 13·1     |

TABLE XIX.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

| YEAR.        |     |     |     |     | TOTAL<br>NUMBER<br>OF PATIENTS<br>EXAMINED. | ONE EYE. |           | BOTH EYES. |           | ONE EYE<br>AND BOTH EYES. |           |
|--------------|-----|-----|-----|-----|---|----------|-----------|------------|-----------|---------------------------|-----------|
|              |     |     |     |     |   | Number.  | Per Cent. | Number     | Per Cent. | Number.                   | Per Cent. |
| 1909         | ... | ... | ... | ... | 22,373                                      | 2,116    | 9·4       | 1,385      | 6·1       | 3,501                     | 15·6      |
| 1910         | ... | ... | ... | ... | 25,506                                      | 2,438    | 9·5       | 2,010      | 7·8       | 4,448                     | 17·4      |
| 1911         | ... | ... | ... | ... | 31,274                                      | 3,196    | 10·2      | 2,811      | 8·9       | 6,007                     | 19·2      |
| 1912         | ... | ... | ... | ... | 43,668                                      | 4,115    | 9·4       | 2,824      | 6·4       | 6,939                     | 15·8      |
| 1913         | ... | ... | ... | ... | 62,233                                      | 5,360    | 8·6       | 3,878      | 6·2       | 9,238                     | 14·8      |
| 1914         | ... | ... | ... | ... | 75,398                                      | 6,425    | 8·5       | 3,591      | 4·7       | 10,016                    | 13·2      |
| 1915         | ... | ... | ... | ... | 71,930                                      | 5,637    | 7·8       | 2,992      | 4·2       | 8,629                     | 12·0      |
| 1916         | ... | ... | ... | ... | 94,447                                      | 7,042    | 7·4       | 3,504      | 3·7       | 10,546                    | 11·2      |
| 1917         | ... | ... | ... | ... | 100,410                                     | 9,385    | 9·3       | 4,611      | 4·6       | 13,996                    | 13·9      |
| 1918         | ... | ... | ... | ... | 90,668                                      | 8,969    | 9·9       | 4,261      | 4·7       | 13,230                    | 14·6      |
| 1919         | ... | ... | ... | ... | 83,577                                      | 8,537    | 10·2      | 4,278      | 5·1       | 12,815                    | 15·3      |
| 1920         | ... | ... | ... | ... | 108,113                                     | 9,833    | 9·1       | 5,154      | 4·7       | 14,987                    | 13·8      |
| 1921         | ... | ... | ... | ... | 127,223                                     | 10,566   | 8·3       | 5,053      | 3·9       | 15,619                    | 12·2      |
| 1922         | ... | ... | ..  | ... | 147,492                                     | 12,524   | 8·5       | 4,850      | 3·3       | 17,374                    | 11·8      |
| 1923         | ... | ... | ... | ... | 174,004                                     | 14,394   | 8·3       | 5,146      | 2·9       | 19,540                    | 11·2      |
| 1924         | ... | ... | ... | ... | 206,342                                     | 16,535   | 8·0       | 5,716      | 2·8       | 22,251                    | 10·8      |
| TOTAL ... .. |     |     |     |     | 1,464,658                                   | 127,072  | 8·7       | 62,064     | 4·2       | 189,136                   | 12·9      |

The definition of blindness adopted here is that proposed by Trousseau, that is to say inability to count fingers held up at a distance of one metre.



TABLE XX.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

|                                | 1921      | 1922      | 1923      | 1924      |
|--------------------------------|-----------|-----------|-----------|-----------|
|                                | Per Cent. | Per Cent. | Per Cent. | Per Cent. |
| <i>Permanent Hospitals :—</i>  |           |           |           |           |
| Tanta ... ..                   | 9·78      | 8·78      | 8·06      | 7·98      |
| Asyût ... ..                   | 16·50     | 14·32     | 14·25     | 11·58     |
| Mansûra ... ..                 | 19·30     | 18·79     | 18·54     | 17·10     |
| Beni Suef ... ..               | 17·07     | 17·55     | 17·34     | 15·91     |
| Zagazig ... ..                 | 11·10     | 11·58     | 10·47     | 11·26     |
| Damanhûr ... ..                | 9·77      | 9·49      | 9·75      | 9·14      |
| Shibîn el Kôm ... ..           | 9·09      | 9·06      | 8·23      | 9·63      |
| Sohâg ... ..                   | 16·16     | 13·74     | 11·77     | 18·39     |
| Minya ... ..                   | 19·85     | 19·04     | 17·41     | 11·01     |
| Faiyûm ... ..                  | 11·10     | 14·17     | 10·30     | 10·23     |
| Benha ... ..                   | 7·40      | 9·67      | 10·91     | 11·52     |
| Alexandria ... ..              | 9·70      | 9·67      | 6·99      | 7·41      |
| Aswân (Oph. Branch) ... ..     | 14·60     | —         | —         | —         |
| Port Said ... ..               | 6·13      | 3·00      | 2·76      | 6·12      |
| Qena... ..                     | —         | —         | 14·97     | 18·99     |
| Damietta ... ..                | —         | —         | 16·70     | 7·55      |
| Giza ... ..                    | —         | —         | —         | 8·88      |
| Suez ... ..                    | —         | —         | —         | 10·21     |
| Mahalla el Kubra ... ..        | 9·20      | 8·65      | 7·07      | 8·42      |
| Kafr el Zaiyât ... ..          | 10·88     | 9·34      | 6·77      | 7·43      |
| Santa ... ..                   | 12·63     | 12·55     | 12·46     | 8·92      |
| <i>Travelling Hospitals :—</i> |           |           |           |           |
| No. I. Travelling :—           |           |           |           |           |
| Rôd el Farag ... ..            | 14·35     | 12·30     | 12·22     | 11·88     |
| No. II. Travelling :—          |           |           |           |           |
| Gîza ... ..                    | 13·09     | 13·03     | 12·88     | 15·53     |
| Fakûs ... ..                   | —         | —         | —         | 16·12     |
| No. III. Travelling :—         |           |           |           |           |
| Nagâ Hammâdi... ..             | 4·10      | —         | —         | —         |
| Aswân ... ..                   | 20·26     | 16·36     | 12·32     | 13·12     |
| Luxor ... ..                   | —         | 8·90      | —         | —         |
| Esna ... ..                    | —         | —         | 12·63     | —         |
| Edfû ... ..                    | —         | —         | —         | 16·69     |
| Asyût Travelling :—            |           |           |           |           |
| Manfalût ... ..                | 6·46      | —         | 5·87      | —         |
| Dairût ... ..                  | —         | —         | 7·64      | —         |
| Mallawi ... ..                 | —         | 9·70      | —         | 11·27     |
| Abnûb ... ..                   | 14·60     | —         | 5·87      | 6·05      |
| Abu Tîg ... ..                 | 9·80      | 14·10     | 11·21     | 9·33      |
| Badâri ... ..                  | —         | 6·22      | —         | 7·63      |
| Daqahlîya Travelling :—        |           |           |           |           |
| Mît-Ghamr ... ..               | —         | 9·60      | —         | 3·43      |
| Matarîya ... ..                | 8·95      | —         | 6·21      | —         |
| Dikirnis ... ..                | 11·10     | —         | 12·67     | 8·94      |
| Fariskûr ... ..                | —         | 10·18     | —         | 7·86      |
| Aga ... ..                     | —         | —         | 13·09     | —         |
| Simbillawein ... ..            | 12·32     | 20·29     | 19·85     | 5·36      |

TABLE XXI.—SOURCES OF PROVISION OF HOSPITALS.

| HOSPITALS.  | Date at which opened. | Government Grant.   | Public Subscription or Private Benefaction. | Provincial Councils or Municipality. |
|---|-----------------------|---|---|--------------------------------------|
|   |                       | L.E.  | L.E.  | L.E.                                 |
| No. 1 Travelling* ... ..  | 1904                  | —   | 1,000                                       | —                                    |
| No. 2 Travelling ... ..   | 1905                  | —   | —   | 1,500                                |
| Tanta ... ..  | 1908                  | 8,463   | —   | —                                    |
| Asyût ... ..  | 1911                  | 8,817 and site  | 5,004                                       | —                                    |
| Mansûra ... ..  | 1912                  | —   | 5,000                                       | —                                    |
| Beni Suef ... ..  | 1912                  | —   | 4,000                                       | —                                    |
| Asyût Travelling ... ..   | 1912                  | —   | —   | 720                                  |
| Zagazig ... ..  | 1913                  | —   | —   | 4,286                                |
| Mahalla el Kubra... ..  | 1913                  | —   | —   | 2,400                                |
| Kafr el Zaiyât ... ..   | 1913                  | —   | —   | 2,200                                |
| Daqahliya Travelling ... ..   | 1913                  | —   | —   | 720                                  |
| Damanhûr ... ..   | 1914                  | —   | —   | 5,000                                |
| Shibin el Kôm ... ..  | 1914                  | —   | 5,422                                       | —                                    |
| Sohâg ... ..  | 1914                  | 960   | 4,000                                       | —                                    |
| Minya ... ..  | 1915                  | —   | —   | 5,500                                |
| Santa ... ..  | 1915                  | —   | —   | 2,600                                |
| Faiyûm ... ..   | 1916                  | Site.   | —   | 4,000                                |
| No. 3 Travelling † ... ..   | 1918                  | —   | 1,000                                       | —                                    |
| Benha ... ..  | 1920                  | —   | 14,000                                      | —                                    |
| Alexandria (Oph. Branch) ...  | 1920                  | annexed to general Hosp.                                      | —   | —                                    |
| Port Said... ..   | 1921                  | 1,000   | —   | 1,000                                |
| Qena... ..  | 1923                  | —   | 12,400                                      | 2,800                                |
| Damietta (temporary) ... ..   | 1923                  | 1,000<br>and used building.                                   | 240   | —                                    |
| Fouad I Govt. Ophthalmic Hospital, Giza ... ..                        | 1924                  | 3,000 and site.   | 8,668                                       | 600                                  |
| Suez Ophthalmic Branch under canvas annexed to general Hospital... .. | 1924                  | This branch was established from the margin of P.H.D. Stores. | —   | —                                    |
| TOTAL ... ..  |                       | 23,240  | 60,734                                      | 33,326                               |

\* Retained in Cairo for provision of clinical facilities for teaching.

† For South Egypt, Luxor to Aswân, until Aswân Permanent Hospital is built.



TABLE XXII.—ACTUAL EXPENDITURE 1923-1924.—(A) CENTRAL ADMINISTRATION.

| CHAPTER.  | Grant. | Expenditure.          |
|---|--------|-----------------------|
|   | L.E.   | L.E.                  |
| Pensionable staff ... ..                            | 6,018  | 4,429                 |
| Hors cadre staff ... ..                             | 325    | 264                   |
| Allowances :—                                       |        |                       |
| Compensation allowance ... ..                       | 58     | —                     |
| Inspection allowance ... ..                         | 384    | —                     |
| Transport, transfer and travelling allowance ... .. | 830    | 546                   |
| Telephones... ..                                    | 23     | ( <sup>1</sup> ) 23   |
| Telegrams ... ..                                    | 10     | 7                     |
| Petty expenses ... ..                               | 10     | 2                     |
| TOTAL ... ..  | 7,658  | 5,271( <sup>2</sup> ) |

(<sup>1</sup>) Excluding trunk line calls.

(<sup>2</sup>) Two posts of divisional inspectors were vacant, one of which during the whole year, the other up till Nov. 23, 1923.

TABLE XXIII.—ACTUAL EXPENDITURE 1923-1924.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

| CHAPTER.  | Grant.                 | Total Actual Expenditure. |
|---|------------------------|---------------------------|
|   | L.E.                   | L.E.                      |
| Pensionable staff ... ..                            | 12,489( <sup>1</sup> ) | 11,529( <sup>1</sup> )    |
| Hors cadre staff ... ..                             | 7,851                  | 7,822                     |
| Ophthalmic allowance ... ..                         | 648( <sup>2</sup> )    | 406( <sup>2</sup> )       |
| Transport, transfer and travelling allowance ... .. | 1,206                  | 1,453                     |
| Food ... ..   | 4,935                  | 3,918                     |
| Forage ... ..                                       | 69                     | 43                        |
| Water ... ..  | 310                    | 344                       |
| Light ... ..  | 235                    | 122                       |
| Disposal of sewage ... ..                           | 80                     | 42                        |
| Heating ... ..                                      | — ( <sup>3</sup> )     | 535                       |
| Rent ... ..   | 100                    | 84                        |
| Telegrams and telephones ... ..                     | 157                    | 142                       |
| Stores :—   |                        |                           |
| General equipment ... ..                            | — ( <sup>3</sup> )     | 4,368                     |
| Surgical equipment ... ..                           |                        | 164                       |
| Instruments ... ..                                  |                        | 517                       |
| Drugs ... ..  |                        | 2,608                     |
| Dressings ... ..                                    |                        | 487                       |
| Transport of stores ... ..                          | 600                    | 250                       |
| Petty expenses ... ..                               | 330                    | 254                       |
| TOTAL ... ..  | —                      | 35,088( <sup>4</sup> )    |

(<sup>1</sup>) To this L.E. 216 is granted by the Government for the salary of the medical officer of Daqahlia Provincial Council Travelling Ophthalmic Hospital which is recovered from the said Council.

(<sup>2</sup>) To this L.E. 48 is granted by the Government for the Ophthalmic allowance of the M. O. of Daqahlia Provincial Council Travelling Ophthalmic Hospital which is recovered from the said Council.

(<sup>3</sup>) No special grant for the ophthalmic hospitals. The grant is for the various units of the whole Department.

(<sup>4</sup>) Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry and no return is made.

TABLE XXIV.—ACTUAL EXPENDITURE 1923-1924.—(B) GOVERNMENT OPHTHALMIC HOSPITALS (PER UNIT).

| CHAPTER.  | No. 1 Camp. |  | No. 2 Camp. |  | No. 3 Camp. |  | Tanta. |  | Assiut. |  | Mansurah. |  | Beni Suef. |  | Zagazig. |  | Damanhur. |  | Shebin el Kom. |  | Suhag. |  | Minia. |  | Faiyoun. |  | Benha. |  | Alexandria Oph. Branch and Schools. |  | Port-Said. |  | Qena. |  | Damietta. |  | Suez. |  | Cairo Schools. |  | TOTAL.  |  |  |
|---|-------------|--|-------------|--|-------------|--|--------|--|---------|--|-----------|--|------------|--|----------|--|-----------|--|----------------|--|--------|--|--------|--|----------|--|--------|--|-------------------------------------|--|------------|--|-------|--|-----------|--|-------|--|----------------|--|---------|--|--|
|   | L.E.        |  | L.E.        |  | L.E.        |  | L.E.   |  | L.E.    |  | L.E.      |  | L.E.       |  | L.E.     |  | L.E.      |  | L.E.           |  | L.E.   |  | L.E.   |  | L.E.     |  | L.E.   |  | L.E.                                |  | L.E.       |  | L.E.  |  | L.E.      |  | L.E.  |  | L.E.           |  | L.E.    |  |  |
| Pensionable staff ... ..                            | 733         |  | 470         |  | 469         |  | 990    |  | 927     |  | 835       |  | 716        |  | 658      |  | 484       |  | 531            |  | 557    |  | 653    |  | 685      |  | 658    |  | 495                                 |  | 440        |  | 646   |  | 324       |  | 65    |  | 193            |  | 11,529* |  |  |
| Hors cadre staff ... ..                             | 426         |  | 719         |  | 413         |  | 463    |  | 552     |  | 494       |  | 429        |  | 459      |  | 414       |  | 416            |  | 460    |  | 480    |  | 400      |  | 466    |  | 244                                 |  | 340        |  | 439   |  | 166       |  | —     |  | 42             |  | 7,822   |  |  |
| Ophthalmic allowance ... ..                         | 69          |  | 30          |  | 3           |  | 72     |  | 29      |  | —         |  | —          |  | 60       |  | —         |  | 5              |  | 24     |  | —      |  | —        |  | 24     |  | 42                                  |  | —          |  | —     |  | —         |  | —     |  | 48             |  | 406†    |  |  |
| Transport, transfer and travelling allowance ... .. | 209         |  | 111         |  | 179         |  | 100    |  | 200     |  | 23        |  | 29         |  | 47       |  | 40        |  | 83             |  | 140    |  | 76     |  | 44       |  | 25     |  | 27                                  |  | 8          |  | 57    |  | 25        |  | 30    |  | —              |  | 1,453   |  |  |
| Food ... ..   | 190         |  | 270         |  | 269         |  | 290    |  | 294     |  | 308       |  | 274        |  | 218      |  | 189       |  | 294            |  | 336    |  | 270    |  | 191      |  | 266    |  | 8                                   |  | 27         |  | 202   |  | 20        |  | 2     |  | —              |  | 3,918†  |  |  |
| Forage ... ..                                       | 6           |  | 30          |  | 7           |  | —      |  | —       |  | —         |  | —          |  | —        |  | —         |  | —              |  | —      |  | —      |  | —        |  | —      |  | —                                   |  | —          |  | —     |  | —         |  | —     |  | —              |  | 43      |  |  |
| Water ... ..  | 8           |  | —           |  | 10          |  | 47     |  | 41      |  | 11        |  | 40         |  | 55       |  | 32        |  | 28             |  | —      |  | —      |  | —        |  | 36     |  | —                                   |  | —          |  | 36    |  | —         |  | —     |  | —              |  | 344     |  |  |
| Light ... ..  | —           |  | —           |  | —           |  | 19     |  | 42      |  | 25        |  | 32         |  | —        |  | 4         |  | —              |  | —      |  | —      |  | —        |  | —      |  | —                                   |  | —          |  | —     |  | —         |  | —     |  | —              |  | 122     |  |  |
| Disposal of sewage ... ..                           | —           |  | 3           |  | —           |  | —      |  | —       |  | 4         |  | —          |  | 10       |  | —         |  | 1              |  | —      |  | —      |  | 24       |  | —      |  | —                                   |  | —          |  | —     |  | —         |  | —     |  | —              |  | 42      |  |  |
| Heating ... ..                                      | —           |  | —           |  | —           |  | 89     |  | —       |  | 27        |  | 35         |  | 75       |  | 9         |  | —              |  | 110    |  | 91     |  | —        |  | 9      |  | —                                   |  | —          |  | 90    |  | —         |  | —     |  | —              |  | 535     |  |  |
| Rent ... ..   | —           |  | 84          |  | —           |  | —      |  | —       |  | —         |  | —          |  | —        |  | —         |  | —              |  | —      |  | —      |  | —        |  | —      |  | —                                   |  | —          |  | —     |  | —         |  | —     |  | —              |  | 84      |  |  |
| Telegrams and telephones                            | 21          |  | 1           |  | 1           |  | 10     |  | 13      |  | 11        |  | 10         |  | 9        |  | 9         |  | 10             |  | 1      |  | 10     |  | 11       |  | 15     |  | —                                   |  | 9          |  | 1     |  | —         |  | —     |  | —              |  | 142     |  |  |
| Stores :—   |             |  |             |  |             |  |        |  |         |  |           |  |            |  |          |  |           |  |                |  |        |  |        |  |          |  |        |  |                                     |  |            |  |       |  |           |  |       |  |                |  |         |  |  |
| General equipment                                   | 561         |  | 353         |  | 513         |  | 386    |  | 293     |  | 201       |  | 219        |  | 241      |  | 172       |  | 142            |  | 239    |  | 105    |  | 322      |  | 186    |  | —                                   |  | 104        |  | 163   |  | 168       |  | —     |  | —              |  | 4,368   |  |  |
| Surgical equipment                                  | —           |  | —           |  | —           |  | 12     |  | 16      |  | 3         |  | 14         |  | —        |  | 2         |  | —              |  | —      |  | —      |  | 13       |  | 67     |  | —                                   |  | —          |  | 17    |  | 20        |  | —     |  | —              |  | 164     |  |  |
| Surgical instruments                                | 74          |  | 124         |  | 74          |  | 14     |  | 3       |  | 13        |  | 8          |  | 26       |  | 7         |  | 15             |  | 12     |  | 22     |  | 9        |  | 9      |  | —                                   |  | 36         |  | 16    |  | 55        |  | —     |  | —              |  | 517     |  |  |
| Drugs ... ..  | 202         |  | 310         |  | 153         |  | 274    |  | 35      |  | 213       |  | 216        |  | 90       |  | 75        |  | 106            |  | 83     |  | 124    |  | 119      |  | 133    |  | —                                   |  | 169        |  | 204   |  | 102       |  | —     |  | —              |  | 2,608   |  |  |
| Dressings ... ..                                    | 36          |  | 86          |  | 9           |  | 59     |  | 18      |  | 13        |  | 34         |  | 25       |  | 38        |  | 20             |  | 27     |  | 29     |  | 11       |  | 24     |  | —                                   |  | —          |  | 58    |  | —         |  | —     |  | —              |  | 487     |  |  |
| Transport of stores ... ..                          | —           |  | 100         |  | 150         |  | —      |  | —       |  | —         |  | —          |  | —        |  | —         |  | —              |  | —      |  | —      |  | —        |  | —      |  | —                                   |  | —          |  | —     |  | —         |  | —     |  | —              |  | 250     |  |  |
| Petty expenses ... ..                               | 10          |  | 28          |  | 13          |  | 13     |  | 16      |  | 23        |  | 16         |  | 11       |  | 13        |  | 13             |  | 26     |  | 14     |  | 16       |  | 13     |  | —                                   |  | 9          |  | 15    |  | 5         |  | —     |  | —              |  | 254     |  |  |
| TOTAL ... ..  | 2,545       |  | 2,719       |  | 2,263       |  | 2,838  |  | 2,479   |  | 2,204     |  | 2,072      |  | 1,984    |  | 1,488     |  | 1,664          |  | 2,015  |  | 1,874  |  | 1,845    |  | 1,931  |  | 816                                 |  | 1,142      |  | 1,944 |  | 885       |  | 97    |  | 283            |  | 35,088  |  |  |

\* Excluding, L.E. 216 salary of the M. O. of Daqahlia P.C.T.O.H., which is recovered from the said Council.

† Excluding L.E. 48 Ophthalmic allowance of the M.O. of Daqahlia P.C.T.O.H. which is recovered from the said Council.

‡ Including cost of butter supplied by Central Stores.



TABLE XXV.—ACTUAL EXPENDITURE 1923-1924.—(C) PROVINCIAL COUNCIL OPHTHALMIC HOSPITALS.

| CHAPTER.                                  | GHARBIA. |              |                       |                | ASSIÛT. |   | DAQAHLIA.    |        |
|---|----------|--------------|-----------------------|----------------|---------|---|--------------|--------|
|   | Grant.   | Expenditure. | Expenditure Per Unit. |                |         | Grant.                                    | Expenditure. | Grant. |
|   |          |              | Mahalla<br>el Kubra.  | Kafr el Zayât. | Santa.  |   |              |        |
|   | L.E.     | L.E.         | L.E.                  | L.E.           | L.E.    | L.E.                                      | L.E.         | L.E.   |
| Employees ... ..                          | 972      | 980          | 346                   | 324            | 310     | 192                                       | 86           | 306    |
| Servants ... ..                           | 570      | 524          | 143                   | 139            | 242     | 154                                       | 174          | 240    |
| War Gratuity... ..                        | —        | 157          | 54                    | 48             | 55      | 138                                       | 37           | —      |
| Transport and travelling allowance ... .. | —        | 43           | 12                    | 13             | 18      |   | 106          | 100    |
| Food ... ..                               | 100      | 110          | —                     | —              | 110     |   | —            | 160    |
| Water ... ..                              | —        | —            | —                     | —              | —       |   | 5            | —      |
| Light and heating ... ..                  | 26       | 13           | 2                     | 4              | 9       |   | 3            | 20     |
| Rent... ..                                | —        | —            | —                     | —              | —       |   | —            | 15     |
| Stores:—                                  |          |              |                       |                |         | L.E. 220 For depenses divers, no details. |              |        |
| Equipment ... ..                          | 420      | 215          | 71                    | 29             | 65      |   | 162          | 200    |
| Instruments ... ..                        |          |              |                       |                |         |   |              |        |
| Drugs ... ..                              | 240      | 271          | 90                    | 84             | 97      |   | 86           | 150    |
| Stationery and periodicals ... ..         | —        | —            | —                     | —              | —       |   | —            | 8      |
| Post and telegrams ... ..                 | 6        | 6            | 2                     | 2              | 2       |   | 1            | 1      |
| Petty expenses ... ..                     | 45       | 11           | 2                     | 3              | 6       |   | 11           | 15     |
| TOTAL ... ..                              | 2,379    | 2,332        | 734                   | 670            | 928     | 704                                       | 682          | 1,215  |
|   |          |              |                       |                |         |   |              | 1,237  |

TABLE XXVI.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT  
OPHTHALMIC HOSPITAL IN 1914 AND 1924.

|  | Number. | 1914 | TOTAL. | Number. | 1924 | TOTAL. |
|--|---------|------|--------|---------|------|--------|
|  |         | L.E. | L.E.   |         | L.E. | L.E.   |
| ART. 1.—Salaries, Wages, and Allowances :—               |         |      |        |         |      |        |
| A.—Pensionable Staff :—                                  |         |      |        |         |      |        |
| Medical Officer ... ..                                   | 2       | 336  |        | 2       | 420  |        |
| Clerk ... ..   | 1       | 60   |        | 1       | 90   |        |
| Moawin ... ..  | —       | —    |        | 1       | 90   |        |
|  | 3       |      | 396    | 4       |      | 600    |
| C.—Hors Cadre Staff :—                                   |         |      |        |         |      |        |
| Moawin ... ..  | 1       | 48   |        | —       | —    |        |
| Chief attendant ... ..                                   | 1       | 36   |        | 2       | 84   |        |
| Attendants (male)... ..                                  | 2       | 42   |        | 5       | 150  |        |
| Attendants (female) ... ..                               | 2       | 36   |        | 2       | 42   |        |
| Cook ... ..  | 1       | 24   |        | 1       | 42   |        |
| Sai ... ..   | 1       | 18   |        | 1       | 30   |        |
| Gardener ... ..  | —       | —    |        | 1       | 30   |        |
| Boab ... ..  | 1       | 18   |        | —       | —    |        |
| Sundry subordinate staff ... ..                          | 3       | 54   |        | —       | —    |        |
|  | 12      |      | 276    | 12      |      | 378    |
| E.—Allowances... ..                                      |         |      |        |         |      |        |
|  |         | 72   | 72     |         | —    | —      |
| ART. 2.—Transport, Transfer and Travelling Allowances :— |         |      |        |         |      |        |
| Transport ... ..   | }       | 50   | 50     | }       | 10   | 80     |
| Transfer ... ..  |         |      |        |         | 20   |        |
| Travelling allowance... ..                               |         |      |        |         | 50   |        |
| ART. 3.—Food ... ..                                      |         |      |        |         |      |        |
|  |         |      | 139    |         |      | 371    |
| ART. 5.—Rent, Water, Lighting, etc. :—                   |         |      |        |         |      |        |
| Water ... ..   |         | 30   |        |         | 60   |        |
| Lighting ... ..  |         | 40   |        |         | 40   |        |
| Heating ... ..   |         | 20   |        |         | 30   |        |
| Sewage ... ..  |         | 12   |        |         | —    |        |
|  |         |      | 102    |         |      | 120    |
| ART. 6.—Books and Periodicals ... ..                     |         |      |        |         |      |        |
|  |         |      | 1      |         |      | —      |
| ART. 7.—Telegrams and Telephones :—                      |         |      |        |         |      |        |
| Telegrams ... ..   | }       | 9    | 9      | }       | 2    | 12     |
| Telephones ... ..  |         |      |        |         | 10   |        |
| ART. 8.—Petty Expenses ... ..                            |         |      |        |         |      |        |
|  |         |      | 12     |         |      | 20     |
| ART. 11.—Stores ... ..                                   |         |      |        |         |      |        |
|  |         |      | 300    |         |      | 500    |
| TOTAL ... ..   |         |      |        |         |      |        |
|  |         |      | 1,357  |         |      | 2,091  |



TABLE XXVII.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS AT THE OPHTHALMIC HOSPITALS DURING 1924, EXCLUDING COST OF RATIONS OF EMPLOYEES.

| HOSPITALS.   | Number<br>of Diets issued | Total Cost.* | Cost per Day<br>per Head. |
|--|---------------------------|--------------|---------------------------|
|  |                           | L.E.         | Mills.                    |
| No. 1 Camp, Rôd el Farag... ..   | 4,717                     | 94           | 19·95                     |
| Qena ... ..  | 6,256                     | 129          | 20·58                     |
| Zagazig ... ..   | 6,423                     | 153          | 23·75                     |
| Damanhûr ... ..  | 5,329                     | 139          | 26·17                     |
| Asyût ... ..   | 8,233                     | 228          | 27·69                     |
| Beni Suef ... ..   | 6,005                     | 172          | 28·69                     |
| Tanta ... ..   | 7,603                     | 223          | 29·30                     |
| No. 2 Camp, Gîza and Fakkûs ... ..   | 3,127                     | 95           | 30·33                     |
| Minya ... ..   | 6,419                     | 198          | 30·80                     |
| Mansûra... ..  | 7,733                     | 228          | 31·13                     |
| Benha ... ..   | 5,322                     | 170          | 31·87                     |
| Faiyûm ... ..  | 3,806                     | 128          | 33·62                     |
| Daqahliya Travelling† (Dikirmis, Mit Ghamr, Fariskûr and<br>Simbellawein) ... .. | 2,105                     | 72           | 34·20                     |
| Santa† ... ..  | 3,023                     | 110          | 36·34                     |
| Sohâg ... ..   | 5,467                     | 222          | 40·55                     |
| Shibîn el Kôm ... ..   | 4,572                     | 193          | 42·24                     |
| No. 3 Camp, Aswân and Edfû ... ..  | 3,702                     | 160          | 43·29                     |
| TOTAL... ..  | 89,842                    | 2,714        | 30·21                     |

\* Fuel excluded.  
† Rations of these hospitals are not supplied by contractors but bought locally.

Scale of Full Diet as given to All In-patients at Ophthalmic Hospitals.

|  | Grammes. |
|--|----------|
| Bread ... ..                                 | 600      |
| Beef ... ..                                  | 150      |
| Vegetables ... ..                            | 150      |
| Lentils... ..                                | 75       |
| Rice ... ..                                  | 75       |
| Milk ... ..                                  | 200      |
| Native butter ( <i>Samna Baladi</i> ) ... .. | 15       |
| Sugar ... ..                                 | 30       |
| Salt ... ..                                  | 20       |

TABLE XXVIII.—NUMBER OF BEDS AT THE OPHTHALMIC HOSPITALS.

| HOSPITALS.              | First. | Second. | Third. |
|-------------------------|--------|---------|--------|
| No. 1 Travelling ... .. | —      | —       | 14     |
| No. 2 Travelling ... .. | —      | —       | 20     |
| No. 3 Travelling ... .. | —      | —       | 15     |
| Tanta ... ..            | —      | —       | 26     |
| Asyût ... ..            | 1      | —       | 27     |
| Mansûra... ..           | —      | —       | 21     |
| Beni Suef ... ..        | —      | —       | 19     |
| Zagazig ... ..          | —      | —       | 20     |
| Damanhûr ... ..         | —      | —       | 18     |
| Shibîn el Kôm ... ..    | —      | —       | 15     |
| Sohâg ... ..            | —      | —       | 14     |
| Minya ... ..            | —      | —       | 17     |
| Faiyûm ... ..           | —      | —       | 10     |
| Benha ... ..            | —      | —       | 15     |
| Alexandria ... ..       | —      | —       | 31     |
| Port Said ... ..        | —      | —       | 6      |
| Qena ... ..             | —      | —       | 23     |
| Damietta ... ..         | —      | —       | 5      |
| Giza ... ..             | —      | —       | 30     |
| Suez ... ..             | —      | —       | 8      |
| Daqahliya ... ..        | —      | —       | 12     |
| Santa ... ..            | —      | —       | 10     |
| TOTAL ... ..            | 1      | —       | 376    |

Statistics of Ophthalmic Treatment in Schools, 1924-1925.

Ophthalmic treatment has been carried out at the Primary Government Schools of Tanta, Asyût, Mansûra, Beni Suef, Zagazig, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Benha, Moharram Bey and Ras el Tin at Alexandria, Hussanieh and Mohammad Aly at Cairo, and Qena.

TABLE I.—CONDITION OF CONJUNCTIVA.—(a) BEGINNING OF THE YEAR.

| SCHOOLS.             | No<br>Trachoma. | Non-trachomatous<br>conjunctivitis. | TRACHOMA. |       |       |       | TOTAL. |
|----------------------|-----------------|-------------------------------------|-----------|-------|-------|-------|--------|
|                      |                 |                                     | I.        | II.   | III.  | IV.   |        |
| Tanta ... ..         | 28              | —                                   | 225       | 123   | 338   | 186   | 900    |
| Per cent ... ..      | 3·11            | —                                   | 25·00     | 13·67 | 37·55 | 20·67 |        |
| Asyût ... ..         | 39              | —                                   | 76        | 95    | 169   | 137   | 516    |
| Per cent ... ..      | 7·56            | —                                   | 14·73     | 18·41 | 32·75 | 26·55 |        |
| Mansûra ... ..       | 101             | —                                   | 146       | 36    | 57    | 209   | 549    |
| Per cent ... ..      | 18·39           | —                                   | 26·59     | 6·56  | 10·38 | 38·07 |        |
| Beni Suef ... ..     | 21              | —                                   | 53        | 130   | 78    | 240   | 522    |
| Per cent ... ..      | 4·02            | —                                   | 10·15     | 24·90 | 14·94 | 45·98 |        |
| Zagazig ... ..       | 24              | —                                   | 54        | 45    | 160   | 128   | 411    |
| Per cent ... ..      | 5·84            | —                                   | 13·14     | 10·95 | 38·93 | 31·14 |        |
| Damanhûr ... ..      | 10              | —                                   | 97        | 41    | 161   | 52    | 361    |
| Per cent ... ..      | 2·77            | —                                   | 26·87     | 11·36 | 44·59 | 14·40 |        |
| Shibin el Kôm ... .. | 6               | —                                   | 12        | 24    | 88    | 53    | 183    |
| Per cent ... ..      | 3·28            | —                                   | 6·56      | 13·11 | 48·09 | 28·96 |        |
| Sohâg ... ..         | 6               | —                                   | 12        | 20    | 127   | 85    | 250    |
| Per cent ... ..      | 2·40            | —                                   | 4·80      | 8·00  | 50·80 | 34·00 |        |
| Minya ... ..         | 18              | —                                   | 39        | 78    | 109   | 84    | 328    |
| Per cent ... ..      | 5·49            | —                                   | 11·89     | 23·78 | 33·23 | 56·61 |        |
| Faiyûm ... ..        | 9               | —                                   | 34        | 79    | 109   | 46    | 277    |
| Per cent ... ..      | 3·25            | —                                   | 12·27     | 28·52 | 39·35 | 16·61 |        |
| Gîza ... ..          | 25              | —                                   | 43        | 42    | 78    | 134   | 322    |
| Per cent ... ..      | 7·76            | —                                   | 13·35     | 13·04 | 24·21 | 41·62 |        |
| Benha ... ..         | 13              | —                                   | 25        | 51    | 176   | 87    | 352    |
| Per cent ... ..      | 3·69            | —                                   | 7·10      | 14·49 | 50·00 | 24·71 |        |
| Moharram Bey ... ..  | 88              | 2                                   | 103       | 9     | 51    | 107   | 360    |
| Per cent ... ..      | 24·44           | 0·56                                | 28·61     | 2·50  | 14·17 | 29·72 |        |
| Hussanieh ... ..     | 50              | —                                   | 151       | 49    | 204   | 259   | 713    |
| Per cent ... ..      | 7·01            | —                                   | 21·18     | 6·87  | 28·61 | 36·33 |        |
| Mohammad Aly ... ..  | 15              | —                                   | 115       | 75    | 213   | 288   | 706    |
| Per cent ... ..      | 2·12            | —                                   | 16·29     | 10·62 | 30·17 | 40·79 |        |
| Ras el Tin ... ..    | 257             | 4                                   | 213       | 27    | 115   | 214   | 830    |
| Per cent ... ..      | 30·96           | 0·48                                | 25·66     | 3·25  | 13·86 | 25·78 |        |
| Qena ... ..          | 7               | —                                   | 35        | 85    | 82    | 41    | 250    |
| Per cent ... ..      | 2·80            | —                                   | 14·00     | 34·00 | 32·80 | 16·40 |        |
| TOTAL ...            | 717             | 6                                   | 1433      | 1009  | 2315  | 2350  | 7830   |
| Per cent ...         | 9·16            | 0·08                                | 18·28     | 12·88 | 29·57 | 30·01 |        |



TABLE I.—CONDITION OF CONJUNCTIVA.—(b) END OF THE YEAR.

| SCHOOLS              | No<br>Trachoma. | Non-trachomatous<br>conjunctivitis. | TRACHOMA. |      |       |       | TOTAL. |
|----------------------|-----------------|-------------------------------------|-----------|------|-------|-------|--------|
|                      |                 |                                     | I.        | II.  | III.  | IV.   |        |
| Tanta ... ..         | 26              | —                                   | 114       | 11   | 440   | 265   | 856    |
| Per cent ... ..      | 3·04            | —                                   | 13·32     | 1·28 | 51·40 | 30·96 |        |
| Asyût ... ..         | 35              | —                                   | 2         | 3    | 281   | 184   | 505    |
| Per cent ... ..      | 6·93            | —                                   | 0·39      | 0·59 | 55·64 | 36·44 |        |
| Mansûra ... ..       | 86              | —                                   | 128       | 1    | 42    | 229   | 486    |
| Per cent ... ..      | 17·69           | —                                   | 26·34     | 0·21 | 8·64  | 47·12 |        |
| Beni Suef ... ..     | 22              | —                                   | 20        | 7    | 295   | 158   | 502    |
| Per cent ... ..      | 4·38            | —                                   | 3·98      | 1·39 | 58·78 | 31·47 |        |
| Zagazig ... ..       | 23              | —                                   | 7         | 1    | 176   | 204   | 411    |
| Per cent ... ..      | 5·59            | —                                   | 1·70      | 0·24 | 42·83 | 49·63 |        |
| Damanhûr ... ..      | 9               | —                                   | 11        | —    | 232   | 117   | 369    |
| Per cent ... ..      | 2·44            | —                                   | 2·98      | —    | 62·87 | 31·70 |        |
| Shibîn el Kôm ... .. | 6               | —                                   | 3         | 1    | 83    | 90    | 183    |
| Per cent ... ..      | 3·28            | —                                   | 1·64      | 0·55 | 45·35 | 49·18 |        |
| Sohâg ... ..         | 7               | —                                   | 2         | 5    | 86    | 123   | 223    |
| Per cent ... ..      | 3·14            | —                                   | 0·89      | 2·24 | 38·57 | 55·16 |        |
| Minya ... ..         | 18              | —                                   | 3         | 2    | 170   | 116   | 309    |
| Per cent ... ..      | 5·83            | —                                   | 0·97      | 0·64 | 55·02 | 37·54 |        |
| Faiyûm ... ..        | 6               | —                                   | —         | 2    | 179   | 99    | 286    |
| Per cent ... ..      | 2·09            | —                                   | —         | 0·69 | 62·59 | 34·62 |        |
| Gîza ... ..          | 23              | —                                   | 15        | 1    | 147   | 141   | 327    |
| Per cent ... ..      | 7·03            | —                                   | 4·59      | 0·31 | 44·95 | 43·12 |        |
| Benha ... ..         | 9               | —                                   | 23        | 29   | 179   | 112   | 352    |
| Per cent ... ..      | 2·56            | —                                   | 6·53      | 8·24 | 50·85 | 31·82 |        |
| Moharram Bey ... ..  | 91              | —                                   | 60        | 4    | 70    | 149   | 374    |
| Per cent ... ..      | 24·33           | —                                   | 16·04     | 1·07 | 18·72 | 39·84 |        |
| Hussanieh ... ..     | 48              | —                                   | 79        | 4    | 235   | 394   | 760    |
| Per cent ... ..      | 6·32            | —                                   | 10·39     | 0·53 | 30·92 | 51·84 |        |
| Mohammad Aly ... ..  | 17              | —                                   | 80        | 11   | 294   | 307   | 709    |
| Per cent ... ..      | 2·39            | —                                   | 11·28     | 1·55 | 41·47 | 43·30 |        |
| Râs el Tîn ... ..    | 255             | —                                   | 83        | 8    | 201   | 278   | 825    |
| Per cent ... ..      | 30·91           | —                                   | 10·06     | 0·97 | 24·36 | 33·69 |        |
| Qena ... ..          | 6               | —                                   | 2         | —    | 160   | 48    | 216    |
| Per cent ... ..      | 2·78            | —                                   | 0·93      | —    | 74·07 | 22·22 |        |
| TOTAL ... ..         | 687             | —                                   | 632       | 90   | 3270  | 3014  | 7693   |
| Per cent ... ..      | 8·93            | —                                   | 8·21      | 1·17 | 42·51 | 39·18 |        |

TABLE II a.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

| YEAR.            | BEGINNING OF THE YEAR.                   |  |           | END OF THE YEAR.                                     |           |
|------------------|--|--|-----------|--|-----------|
|                  | Pupils with any<br>stage of<br>Trachoma. | Pupils with serious stages<br>of Trachoma I. and II. |           | Pupils with serious stages<br>of Trachoma I. and II. |           |
|                  | No.                                      | No.  | Per Cent. | No.  | Per Cent. |
| 1907-1908 ... .. | 464                                      | 289  | 62·3      | —  | —         |
| 1914-1915 ... .. | 1,553                                    | 342  | 22·0      | 61   | 4·0       |
| 1916-1917 ... .. | 1,528                                    | 327  | 21·4      | 48   | 3·0       |
| 1917-1918 ... .. | 1,699                                    | 282  | 16·6      | 71   | 4·2       |
| 1919-1920 ... .. | 2,454                                    | 410  | 16·7      | 201  | 8·2       |
| 1920-1921 ... .. | 3,363                                    | 643  | 19·1      | 290  | 8·6       |
| 1921-1922 ... .. | 5,036                                    | 1,369  | 27·2      | 580  | 11·5      |
| 1922-1923 ... .. | 6,140                                    | 1,982  | 32·3      | 892  | 14·5      |
| 1923-1924 ... .. | 6,820                                    | 2,115  | 31·0      | 835  | 12·2      |
| 1924-1925 ... .. | 7,107                                    | 2,442  | 34·4      | 722  | 10·2      |

TABLE II b.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

| STAGES OF TRACHOMA. |     |     |     |     |     | BEGINNING OF THE YEAR. |           | END OF THE YEAR. |           |
|---------------------|-----|-----|-----|-----|-----|------------------------|-----------|------------------|-----------|
|                     |     |     |     |     |     | No.                    | Per Cent. | No.              | Per Cent. |
| Trachoma            | I   | ... | ... | ... | ... | 1,433                  | 20·1      | 632              | 9·0       |
| „                   | II  | ... | ... | ... | ... | 1,009                  | 14·2      | 90               | 1·3       |
| „                   | III | ... | ... | ... | ... | 2,315                  | 32·6      | 3,270            | 46·7      |
| „                   | IV  | ... | ... | ... | ... | 2,350                  | 33·1      | 3,014            | 43·0      |

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year.)

| SCHOOL.              | 1ST YEAR.         |     |     |      | 2ND YEAR. |                   |     |     | 3RD YEAR. |     |                   |     | 4TH YEAR. |      |     |                   |
|----------------------|-------------------|-----|-----|------|-----------|-------------------|-----|-----|-----------|-----|-------------------|-----|-----------|------|-----|-------------------|
|                      | Trachoma.         |     |     |      | Trachoma. |                   |     |     | Trachoma. |     |                   |     | Trachoma. |      |     |                   |
|                      | Non-Trachomatous. | I.  | II. | III. | IV.       | Non-Trachomatous. | I.  | II. | III.      | IV. | Non-Trachomatous. | I.  | II.       | III. | IV. | Non-Trachomatous. |
| Tanta ... ..         | 8                 | 122 | 67  | 60   | 25        | 7                 | 54  | 30  | 100       | 57  | 9                 | 41  | 21        | 119  | 61  | 4                 |
| Asyût ... ..         | 15                | 27  | 20  | 33   | 18        | 8                 | 30  | 37  | 50        | 34  | 6                 | 16  | 28        | 63   | 55  | 10                |
| Mansûra ... ..       | 28                | 66  | 24  | 21   | 31        | 37                | 35  | 6   | 9         | 47  | 24                | 36  | 5         | 19   | 78  | 12                |
| Beni Suef ... ..     | 5                 | 31  | 35  | 17   | 44        | 9                 | 15  | 49  | 25        | 94  | 2                 | 6   | 33        | 24   | 64  | 5                 |
| Zagazig ... ..       | 5                 | 36  | 27  | 37   | 26        | 6                 | 13  | 11  | 60        | 40  | 6                 | 4   | 4         | 34   | 43  | 7                 |
| Damanhûr ... ..      | 1                 | 35  | 27  | 15   | 5         | 4                 | 30  | 9   | 52        | 14  | 1                 | 23  | 4         | 60   | 12  | 4                 |
| Shibîn el Kôm ... .. | 2                 | 7   | 12  | 29   | 11        | 3                 | 2   | 5   | 25        | 15  | 1                 | 1   | 6         | 22   | 21  | —                 |
| Subâg ... ..         | 3                 | 3   | 10  | 35   | 16        | 1                 | 6   | 5   | 48        | 39  | 1                 | 1   | 5         | 21   | 11  | 1                 |
| Minya ... ..         | 3                 | 19  | 23  | 22   | 16        | 9                 | 7   | 20  | 37        | 21  | 3                 | 7   | 30        | 28   | 27  | 3                 |
| Faiyûm ... ..        | 6                 | 16  | 27  | 27   | 8         | 1                 | 5   | 17  | 38        | 11  | 1                 | 2   | 18        | 19   | 20  | 1                 |
| Gîza ... ..          | 11                | 26  | 20  | 22   | 16        | 7                 | 13  | 15  | 19        | 41  | 6                 | 2   | 7         | 29   | 58  | 1                 |
| Benha ... ..         | 5                 | 11  | 29  | 53   | 15        | 5                 | 8   | 9   | 54        | 14  | 2                 | —   | 11        | 40   | 39  | 1                 |
| Moharram Bey ... ..  | 33                | 43  | 3   | 8    | 19        | 17                | 33  | 4   | 10        | 33  | 21                | 15  | 2         | 15   | 36  | 19                |
| Husseinîya ... ..    | 14                | 57  | 19  | 40   | 28        | 15                | 53  | 16  | 65        | 49  | 11                | 30  | 11        | 61   | 107 | 10                |
| Mohammad Aly ... ..  | 5                 | 53  | 47  | 42   | 42        | 5                 | 37  | 22  | 75        | 79  | 3                 | 16  | 4         | 62   | 111 | 2                 |
| Ras el Tîn ... ..    | 103               | 83  | 8   | 32   | 30        | 88                | 62  | 7   | 45        | 70  | 45                | 45  | 8         | 25   | 69  | 25                |
| Qena ... ..          | 2                 | 15  | 33  | 15   | 2         | 2                 | 6   | 20  | 22        | 9   | 3                 | 12  | 23        | 25   | 16  | —                 |
| TOTAL ... ..         | 249               | 650 | 431 | 508  | 352       | 224               | 409 | 282 | 734       | 667 | 145               | 257 | 220       | 666  | 828 | 105               |
|                      |                   |     |     |      |           |                   |     |     |           |     |                   | 117 | 76        | 407  |     | 503               |



TABLE III *b*.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (BEGINNING OF THE YEAR).

| C L A S S.         | Total number<br>of pupils. | Total number of<br>serious stages of Tra-<br>choma I and II. | Per Cent. |
|--------------------|----------------------------|--|-----------|
| First Year ... ..  | 2,190                      | 1,081  | 49·4      |
| Second Year ... .. | 2,316                      | 691  | 29·8      |
| Third Year... ..   | 2,116                      | 477  | 22·5      |
| Fourth Year ... .. | 1,208                      | 193  | 15·5      |

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

|   | TOTAL. | GRAND<br>TOTAL. | Per Cent. |
|---|--------|-----------------|-----------|
| Good Vision :—  |        |                 |           |
| (a) Normal vision in each eye 6/6 and 6/6 ... ..            | 1,597  |                 |           |
| (b) Vision 6/6 and 6/9 or 6/9 and 6/9 ... ..                | 1,679  | 3,276           | 41·84     |
| Fair Vision :—  |        |                 |           |
| (a) Vision 6/6 and 6/12, 6/9 and 6/12, 6/12 and 6/12 ... .. | 1,455  |                 |           |
| (b) Vision 6/6 and 6/18 ... ..                              | 123    | 1,578           | 20·15     |
| Bad Vision :—   |        |                 |           |
| Fails to attain any of the above standards ... ..           | 2,976  | 2,976           | 38·01     |
| TOTAL ... ..  | 7,830  | 7,830           |           |

TABLE V.—SPECTACLES ORDERED.

|  | Tanta. | Asyût. | Mansûra. | Beni Suef. | Zagazig. | Damanhûr. | Shibîn el<br>Kôm. | Suhâg. | Minya. | Faiyûm. | Gîza. | Benha. | Moharram<br>Bey. | Husseiniya. | Mohammad<br>Aly. | Ras el Tîn. | Qena. | TOTAL. |
|--|--------|--------|----------|------------|----------|-----------|-------------------|--------|--------|---------|-------|--------|------------------|-------------|------------------|-------------|-------|--------|
| Number of pupils now attending obtained<br>spectacles in previous years ... ..   | 18     | 18     | 27       | 15         | 8        | 22        | 16                | 7      | 9      | 5       | 7     | 10     | 24               | 25          | 19               | 21          | 7     | 258    |
| Number of pupils now attending obtained<br>spectacles in this year ... ..        | 5      | 9      | 9        | —          | 8        | —         | 5                 | 7      | 10     | 3       | 9     | 12     | —                | 11          | 5                | —           | 1     | 94     |
| Number of pupils now attending ordered<br>spectacles but not yet obtained ... .. | 4      | 1      | 1        | 12         | —        | 10        | 1                 | 10     | 5      | 4       | —     | 1      | 3                | —           | —                | 20          | 9     | 81     |
| TOTAL ... ..   | 27     | 28     | 37       | 27         | 16       | 32        | 22                | 24     | 24     | 12      | 16    | 23     | 27               | 36          | 24               | 41          | 17    | 433    |
| Spectacles on order or under repair ... ..                                       | 4      | 1      | 1        | 12         | —        | 10        | 4                 | 14     | 8      | 4       | 1     | 1      | 5                | —           | —                | 20          | 9     | 94     |
| Number of pupils wearing spectacles on<br>date of general inspection ... ..      | 21     | 22     | 29       | 13         | 16       | 22        | 16                | 10     | 16     | 3       | 13    | 21     | 19               | 28          | 11               | 20          | 8     | 288    |
| Net number not wearing spectacles which<br>were previously ordered ... ..        | 2      | 5      | 7        | 2          | —        | —         | 2                 | —      | —      | 5       | 2     | 1      | 3                | 8           | 13               | 1           | —     | 51     |

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES WHO BY USE OF SPECTACLES NOT GREATER IN STRENGTH THAN + - 6 D. CAN GET GOOD OR FAIR VISION.

|   | TOTAL. | GRAND<br>TOTAL. | Per Cent.* |
|---|--------|-----------------|------------|
| Good Vision :—  |        |                 |            |
| (a) Normal vision in each eye 6/6 and 6/6 ... ..                | 25     | 83              | 19·2       |
| (b) Vision 6/6 and 6/9, or 6/9 and 6/9 ... ..                   | 58     |                 |            |
| Fair Vision :—  |        |                 |            |
| (a) Vision 6/6 and 6/12, or 6/9 and 6/12 or 6/12 and 6/12... .. | 95     | 105             | 24·2       |
| (b) Vision 6/6 and 6/18... ..                                   | 10     |                 |            |

\* The percentage is taken in relation to the number of all pupils ordered spectacles (*i.e.* 433). See Table V.

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

| SCHOOLS.             | Both Corneæ clear. | One Cornea clear<br>the Other showing<br>Opacity. | Opacity of both<br>Corneæ. |
|----------------------|--------------------|---|----------------------------|
| Tanta ... ..         | 781                | 78  | 41                         |
| Asyût ... ..         | 444                | 49  | 23                         |
| Mansûra ... ..       | 473                | 51  | 25                         |
| Beni Suef ... ..     | 433                | 65  | 24                         |
| Zagazig ... ..       | 338                | 54  | 19                         |
| Damanhûr ... ..      | 317                | 39  | 5                          |
| Shibîn el Kôm ... .. | 131                | 30  | 22                         |
| Suhâg ... ..         | 210                | 32  | 8                          |
| Minya ... ..         | 276                | 37  | 15                         |
| Faiyûm ... ..        | 234                | 21  | 22                         |
| Gîza ... ..          | 274                | 33  | 15                         |
| Benha ... ..         | 303                | 27  | 22                         |
| Moharram Bey ... ..  | 349                | 9   | 2                          |
| Husseiniya ... ..    | 661                | 16  | 36                         |
| Mohammad Aly ... ..  | 650                | 29  | 27                         |
| Ras el Tîn... ..     | 789                | 31  | 10                         |
| Qena ... ..          | 200                | 35  | 15                         |
| TOTAL ... ..         | 6,863              | 636   | 331                        |
| Per cent ... ..      | 87·65              | 8·12  | 4·23                       |



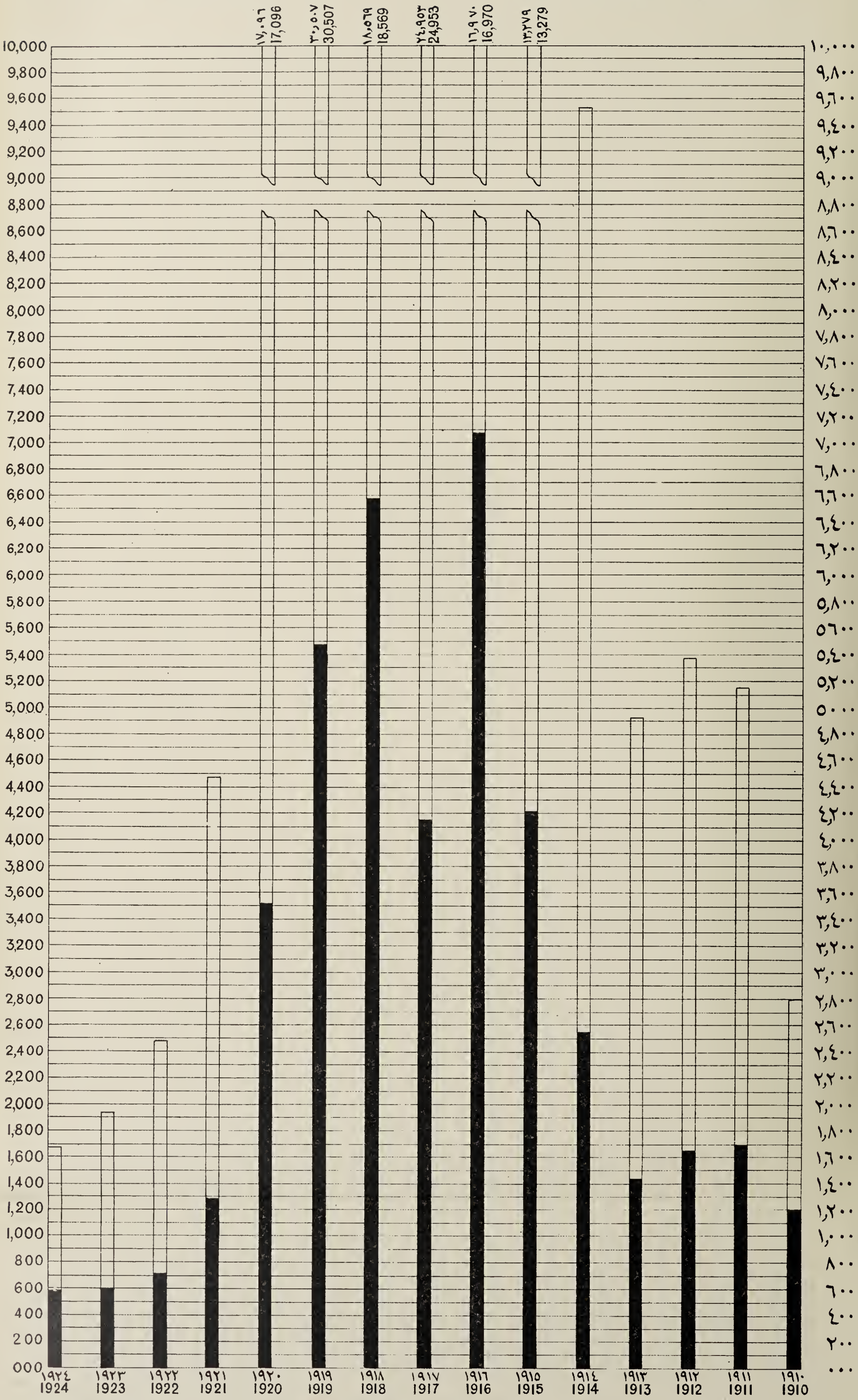






TYPHUS

الحُمى التيفوسية



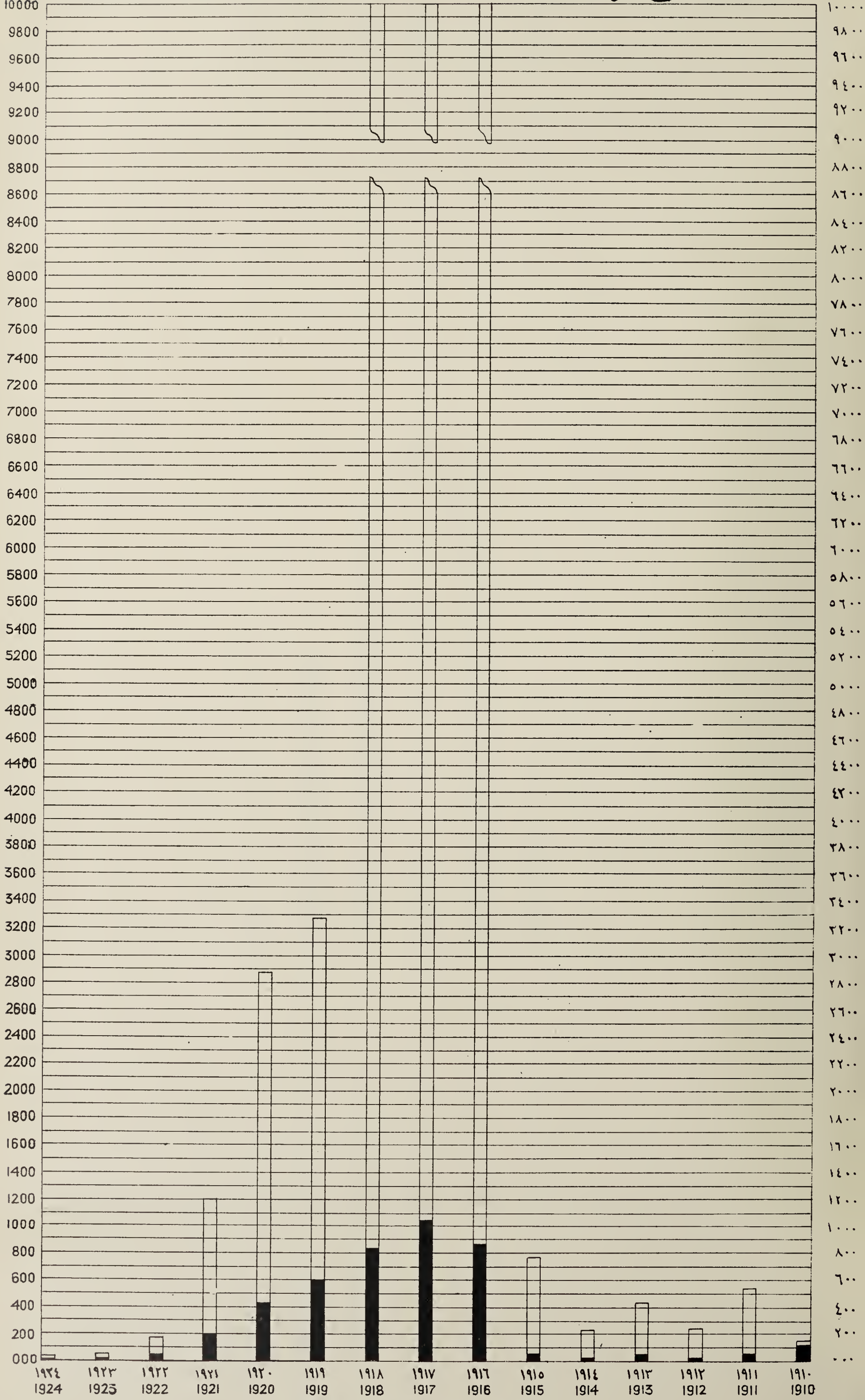




RELAPSING FEVER

١٠٤٩٤  
10.494  
١١٦٢٢  
11.622  
١٢٦٤٢  
12.642

الحُمى المتكررة



SECTION IV.

The most important features to record this year in connection with Infectious Diseases in Egypt are :—

- 1. The continuous decrease in the incidence of Typhus fever.
- 2. The small number of cases of Relapsing Fever which occurred during the year.
- 3. The decrease in the number of cases of Plague.

TYPHUS.

The decrease in the incidence of Typhus first became evident in 1920 and this decrease continued until 1924.

The number of cases recorded during 1924 was 1638 as compared with :—

| Year. | Cases. |
|-------|--------|
| 1923  | 1935   |
| 1922  | 2484   |
| 1921  | 4476   |

The following table shows the number of cases and deaths during the last 10 years :—

| YEAR. | Number of cases. | Number of deaths. | Percentage of deaths. | Rate of deaths per 1000 inhabitants. |
|-------|------------------|-------------------|-----------------------|--------------------------------------|
| 1915  | 17,096           | 4,216             | 24·6                  | 0·338                                |
| 1916  | 30,507           | 7,096             | 23·2                  | 0·563                                |
| 1917  | 18,569           | 4,147             | 22·4                  | 0·325                                |
| 1918  | 24,935           | 6,589             | 26·4                  | 0·510                                |
| 1919  | 16,970           | 5,569             | 32·8                  | 0·432                                |
| 1920  | 13,279           | 3,512             | 26·4                  | 0·269                                |
| 1921  | 4,476            | 1,273             | 28·5                  | 0·096                                |
| 1922  | 2,484            | 717               | 28·8                  | 0·053                                |
| 1923  | 1,935            | 603               | 31·1                  | 0·042                                |
| 1924  | 1,683            | 588               | 34·9                  | 0·042                                |

RELAPSING FEVER.

5 cases only occurred during the year. This is the smallest number recorded for a considerable period of time.

The following table shows the number of cases and deaths from relapsing fever during the last 20 years :—

| YEAR. | Number of cases. | Number of deaths. | Percentage of deaths. | Rate of deaths per 1000 in-habitants. |
|-------|------------------|-------------------|-----------------------|---------------------------------------|
| 1905  | 122              | 49                | 40·1                  | 0·004                                 |
| 1906  | 96               | 25                | 26·04                 | 0·002                                 |
| 1907  | 342              | 13                | 3·8                   | 0·001                                 |
| 1908  | 662              | 18                | 2·71                  | 0·001                                 |
| 1909  | 227              | 24                | 10·57                 | 0·002                                 |
| 1910  | 149              | 127               | 85·23                 | 0·011                                 |
| 1911  | 545              | 66                | 12·11                 | 0·005                                 |
| 1912  | 220              | 19                | 8·63                  | 0·001                                 |
| 1913  | 342              | 45                | 13·4                  | 0·003                                 |
| 1914  | 211              | 28                | 13·27                 | 0·002                                 |
| 1915  | 761              | 72                | 9·46                  | 0·005                                 |
| 1916  | 10,494           | 862               | 8·21                  | 0·068                                 |
| 1917  | 11,162           | 1,043             | 9·34                  | 0·081                                 |
| 1918  | 12,642           | 829               | 6·55                  | 0·064                                 |
| 1919  | 3,372            | 598               | 18·24                 | 0·046                                 |
| 1920  | 2,876            | 430               | 14·60                 | 0·032                                 |
| 1921  | 1,217            | 198               | 16·27                 | 0·014                                 |
| 1922  | 170              | 35                | 20·58                 | 0·002                                 |
| 1923  | 39               | 6                 | 15·38                 | 0·0004                                |
| 1924  | 5                | —                 | —                     | —                                     |



### SMALL POX.

The number of cases of small-pox recorded during the year was 799, showing an increase of 280 over the previous year.

With the exception of the three previous years, namely 1921, 1922 and 1923, the figure recorded this year is found to be much lower than any during the last 21 years.

The 799 cases recorded in 1924, occurred in the following places :—

- 221 in Asyût Province.
- 210 in Cairo.
- 79 in Minya Province.
- 74 in Gîza Province.
- 35 in Minûfiya Province.
- 32 in Daqahlîya Province.

General Vaccination was completed in 1921, and the majority of cases of small-pox recorded during the years following on this procedure, occurred in persons who were either not vaccinated, or in whom vaccination was unsuccessful.

Re-vaccination of the inhabitants was carried out in Mallawî and Abu-Kerkâs Markazes, Abnûb and Gîza Bandars, the suburbs of Damietta and all infected places in other Markazes with, in addition, the localities adjoining them.

The following table shows the number and distribution of cases of small-pox and deaths therefrom recorded in Egypt in 1924 :—

| GOVERNORATE OR PROVINCE.  | Number of cases. | Number of deaths. |
|---------------------------|------------------|-------------------|
| Cairo ... ..              | 210              | 56                |
| Alexandria ... ..         | 10               | 1                 |
| Ismailia ... ..           | —                | —                 |
| Port-Said ... ..          | 8                | —                 |
| Damietta ... ..           | 8                | 1                 |
| Suez ... ..               | 5                | —                 |
| Frontier Districts ... .. | 5                | 1                 |
| Beheira ... ..            | —                | —                 |
| Daqahlîya ... ..          | 32               | 9                 |
| Gharbîya ... ..           | 9                | 3                 |
| Minûfiya ... ..           | 35               | 9                 |
| Qalyûbiya ... ..          | 20               | 2                 |
| Sharqîya ... ..           | 10               | —                 |
| Asyût ... ..              | 229              | 97                |
| Aswân ... ..              | 4                | 1                 |
| Beni Suef ... ..          | 1                | —                 |
| Faiyûm ... ..             | 10               | 3                 |
| Girga ... ..              | 6                | 2                 |
| Gîza ... ..               | 74               | 9                 |
| Minya ... ..              | 79               | 22                |
| Qena ... ..               | 44               | 5                 |
| <b>TOTAL ... ..</b>       | <b>799</b>       | <b>221</b>        |

### THE TWO VACCINATION INSPECTORS.

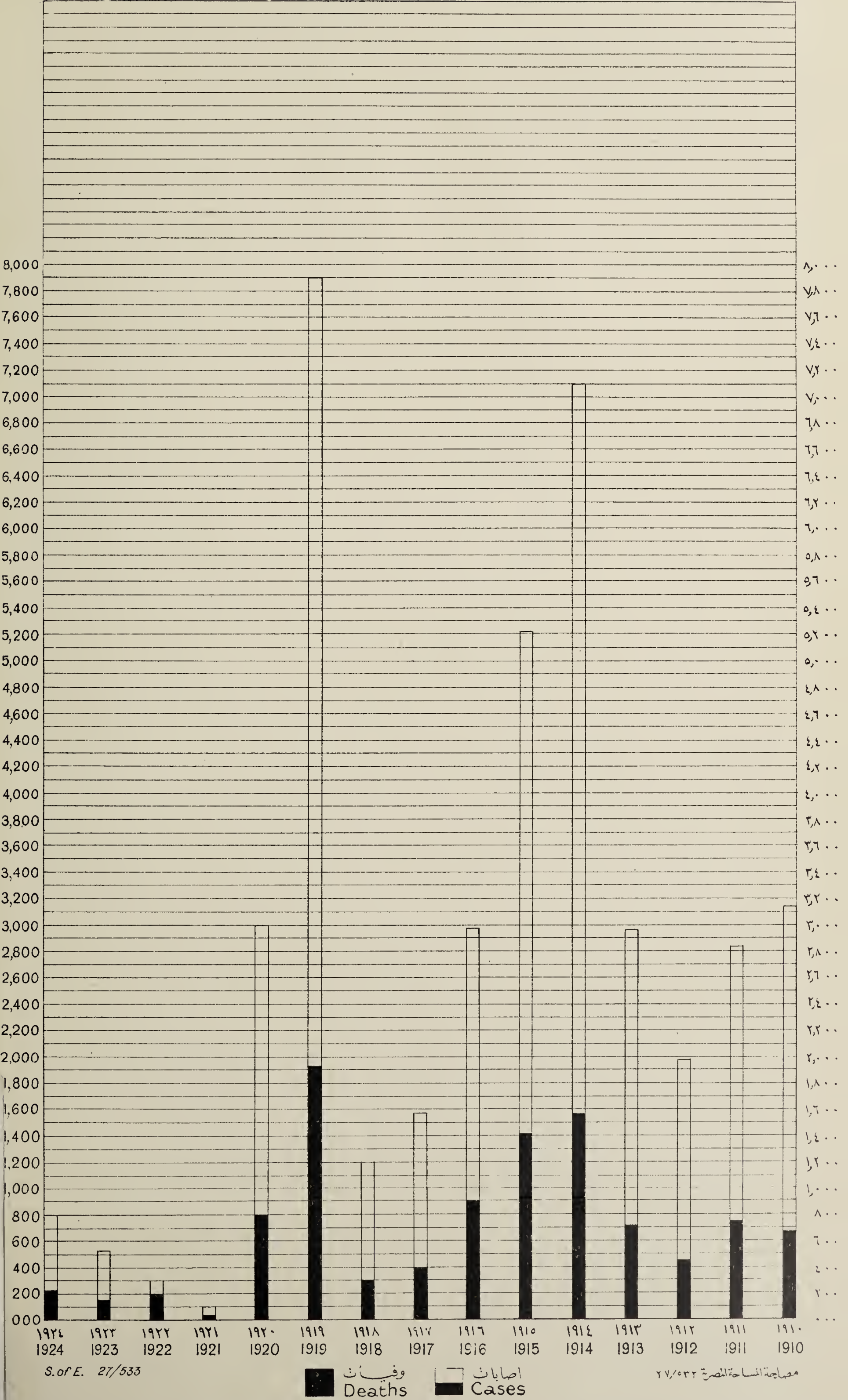
The country has suffered severely from the spread of small-pox which assumed the proportions of a severe epidemic in 1919 and 1920, the number of cases amounting to 10,899. This necessitated the undertaking of a vaccination campaign on an enormous scale in the course of which 5½ millions vaccinations were performed.

The total cost of this campaign is impossible to estimate as it was carried out partly by the Department's permanent staff as an extra duty, and partly by a specially recruited staff; the expenses incurred in this connection were not less than L.E. 15,000 ; the Vaccine Institute had to be enlarged in order to cope with the demand for vaccine.

As a result of general vaccination, the disease has been reduced to almost vanishing point ; not more than 77 cases were recorded during 1921. The Department has found that it is possible to maintain this satisfactory result by appointing special officials to inspect the ordinary vaccination work carried out by Sanitary Barbers in the villages.

S M A L L P O X

الجدرى







These Medical Officers supervise, from time to time, the work of the sanitary barbers and instruct them in the efficient carrying out of vaccination in order to secure satisfactory results. This practice ensures the regular performance of the work by the barbers, and tends to minimize evasion of vaccination of children by parents.

It is necessary, moreover, to carry out vaccination among Arabs (uncontrolled at present) whose births are not entered in the Department's birth registers.

All these organizations require careful supervision in order to maintain the reduced rate in the incidence of small-pox ; the Medical Officers, however, could not carry out this inspection as required owing to lack of time, and the Department deemed it necessary, therefore, to create two new posts of Vaccination Inspectors, in which two senior Medical Officers will be appointed, one for the inspection of vaccination work in Upper Egypt and the other for lower Egypt.

Two temporary Medical Officers were chosen in the summer of 1923 to fill these posts. They performed very valuable work which resulted in the improvement of vaccination in all towns visited by them. In addition to their control of vaccination work, they performed important duties with regard to secret burial.

In 1924, two senior Markaz Medical Officers were appointed to these two posts.

The Department issued necessary instructions to the Vaccination Inspectors for their guidance.

TABLE I.—SHOWING THE NUMBER OF DEATHS FROM SMALL-POX FROM 1902 TO 1924  
AND THE RATES PER 100,000 INHABITANTS.

| Year. | Number of Inhabitants<br>in Egypt. | Number of deaths from<br>small-pox per annum. | Rate of deaths per 100,000<br>of inhabitants. |
|-------|------------------------------------|---|---|
| 1902  | 9,912,240                          | 280   | 2·81  |
| 1903  | 10,064,766                         | 565   | 5·61  |
| 1904  | 10,218,249                         | 1,094   | 10·7  |
| 1905  | 10,373,813                         | 851   | 8·23  |
| 1906  | 10,531,000                         | 409   | 3·89  |
| 1907  | 10,686,000                         | 573   | 5·36  |
| 1908  | 10,841,000                         | 620   | 5·71  |
| 1909  | 10,998,000                         | 1,023   | 9·3   |
| 1910  | 11,157,000                         | 648   | 5·8   |
| 1911  | 11,317,000                         | 737   | 6·51  |
| 1912  | 11,481,000                         | 456   | 3·97  |
| 1913  | 11,646,000                         | 706   | 6·06  |
| 1914  | 11,815,000                         | 1,564   | 13·23   |
| 1915  | 11,987,000                         | 1,262   | 1·05  |
| 1916  | 12,160,000                         | 902   | 7·41  |
| 1917  | 12,760,200                         | 409   | 3·20  |
| 1918  | 12,910,500                         | 306   | 2·37  |
| 1919  | 12,878,000                         | 1,926   | 14·95   |
| 1920  | 13,042,400                         | 796   | 6·1   |
| 1921  | 13,227,400                         | 24  | 0·19  |
| 1922  | 13,473,300                         | 89  | 0·66  |
| 1923  | 13,717,000                         | 145   | 1·05  |
| 1924  | 13,885,000                         | 221   | 1·6   |



THE FOLLOWING TABLE II.—SHOWS THE NUMBER OF SMALL-POX CASES AND DEATHS  
RECORDED DURING THE LAST 21 YEARS.

| YEAR. | Number of Cases. | Number of Deaths. | Percentage of deaths. | Proportion of deaths<br>per thousand inhabits. |
|-------|------------------|-------------------|-----------------------|--|
|       |                  |                   | Pur cent.             |  |
| 1904  | 4,336            | 1,094             | 25.20                 | 0.107  |
| 1905  | 4,186            | 851               | 20.32                 | 0.082  |
| 1906  | 1,965            | 409               | 20.81                 | 0.038  |
| 1907  | 2,130            | 573               | 26.90                 | 0.050  |
| 1908  | 2,578            | 620               | 24.04                 | 0.057  |
| 1909  | 4,096            | 1,023             | 25.28                 | 0.093  |
| 1910  | 3,117            | 648               | 20.78                 | 0.058  |
| 1911  | 2,324            | 737               | 26.09                 | 0.065  |
| 1912  | 1,985            | 456               | 22.97                 | 0.039  |
| 1913  | 2,934            | 706               | 24.06                 | 0.060  |
| 1914  | 7,097            | 1,564             | 22.03                 | 0.132  |
| 1915  | 5,222            | 1,262             | 24.16                 | 0.105  |
| 1916  | 2,972            | 962               | 30.35                 | 0.074  |
| 1917  | 1,567            | 409               | 26.10                 | 0.032  |
| 1918  | 1,198            | 306               | 25.54                 | 0.023  |
| 1919  | 7,895            | 1,926             | 24.39                 | 0.148  |
| 1920  | 3,004            | 796               | 26.48                 | 0.061  |
| 1921  | 92               | 24                | 26.00                 | 0.001  |
| 1922  | 205              | 89                | 29.00                 | 0.006  |
| 1923  | 519              | 145               | 27.93                 | 0.010  |
| 1924  | 799              | 221               | 27.65                 | 0.016  |

#### TYPHOID FEVER.

1,794 cases of Typhoid fever were recorded during the year as compared with 1765 in 1923.

In order to generalise the benefit of vaccination against this disease, the Department has supplied to Public Health Offices in Mudiriyas and Governorates quantities of this vaccine so that the prophylactic vaccination of contacts may be carried out. Private Practitioners, notifying cases of typhoid, may also be supplied with this vaccine, in the event of their expressing a desire to inoculate contacts.

The Vaccine is issued free.

#### PLAGUE.

The number of cases of plague amounted to 373 in 1924 as compared with 1519 in 1923; the number of deaths from plague was 193 in 1924, *i.e.* 51.7 per cent as compared with 47.7 per cent in 1923.

Out of the 373 cases which occurred in 1924 :—

284 were Bubonic.  
7 were Pneumonic.  
and 82 were Septicaemic plague.

The proportion of Pneumonic cases to Bubonic was 2.46 to 100 as compared with 9.86 to 100 in 1923.

The 7 Pneumonic cases were distributed as follows :—

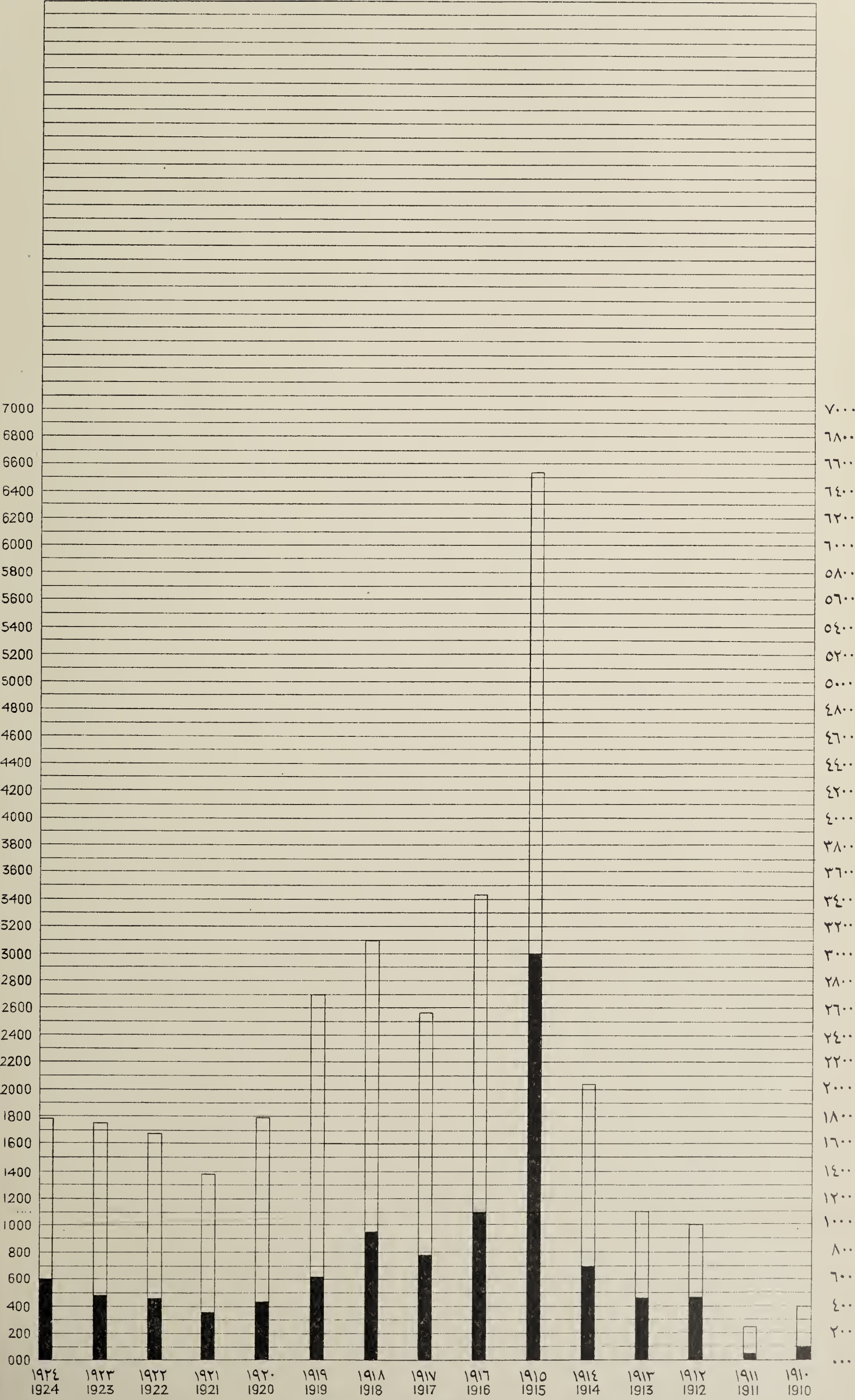
6 at Ezbet el Sherifa, Mallawi Markaz.  
1 at Lûxor Markaz.

Of the 373 cases of plague which occurred during the year, 30 occurred in the Ports. The latter were distributed as follows :—

2 at Alexandria.  
8 at Port Said.  
20 at Suez.

TYPHOID FEVER

الحُمى التيفوئيدية







One of the Commercial Companies at Port Said informed the Health Office of that town of the presence of dead rats in the Company's Stores. Some of these rats were bacteriologically examined, and one of them was found to be infected with plague Bacilli. The Company's premises were then disinfected and thorough deratisation carried out. The whole staff, contacts, and families were vaccinated against plague after disinfection of their clothes and effects.

As a result, no plague cases were recorded in the Company's premises.

TABLE III.—SHOWING THE LOCALITIES IN WHICH OUTBREAKS OF PLAGUE HAVE OCCURRED.

| Localities.                                    | District.      | Number of Cases. | Localities.               | District.   | Number of Cases. |
|--|----------------|------------------|---------------------------|-------------|------------------|
| Tanta Bandar ... ..                            | Tanta.         | 6                | El Qole'a ... ..          | El Fashu    | 2                |
| Ezab Nûbâr ... ..                              | El Raml.       | 1                | Talat ... ..              | "           | 1                |
| Shanshour ... ..                               | Ashmûn.        | 2                | Asmu el 'Arus ... ..      | Deirût.     | 1                |
| Kafr Ashma ... ..                              | Shebîn el Kôm. | 1                | Deirût el Mahatta ... ..  | "           | 6                |
| " Fisha... ..                                  | Menûf.         | 2                | El Qorashiya ... ..       | "           | 1                |
| Fisha el Soghra... ..                          | "              | 4                | Kharfa ... ..             | "           | 1                |
| Sirawheit ... ..                               | "              | 2                | Abu Khalaqa ... ..        | "           | 1                |
| Bahnay ... ..                                  | "              | 2                | Mallawi ... ..            | Mallawi.    | 1                |
| Garawân ... ..                                 | "              | 3                | Nazlet Sharmûkh ... ..    | "           | 3                |
| Tilwana ... ..                                 | "              | 3                | Saquiet Mûsa ... ..       | "           | 13               |
| Menûf Bandar ... ..                            | "              | 21               | Nazlet Hamzawi ... ..     | "           | 1                |
| Heit ... ..                                    | "              | 1                | El Baraguil ... ..        | "           | 1                |
| Sirs el Layana ... ..                          | "              | 2                | El Ashmûnîn ... ..        | "           | 1                |
| El Bagûr ... ..                                | "              | 1                | Abu qolta ... ..          | "           | 1                |
| Kafr Mahmoud... ..                             | "              | 1                | Awlad Salâma ... ..       | Gerga.      | 1                |
| " el Mehalla ... ..                            | Benha.         | 1                | El Samata ... ..          | Deshna.     | 1                |
| El Ramleh... ..                                | "              | 4                | Gerga Bandar ... ..       | Gerga.      | 9                |
| Ekyâd... ..                                    | Tûkh.          | 1                | El Ba'eerât ... ..        | Luxor.      | 1                |
| El Galayla... ..                               | Simbellawein.  | 1                | El Ballas ... ..          | Qena.       | 36               |
| El Tel el Kebîr... ..                          | Zagazîg.       | 1                | El Taramsa ... ..         | "           | 7                |
| Ezbet Saleh Selîm ... ..                       | Bebâ.          | 1                | Qalandûl ... ..           | Mallawi.    | 10               |
| Faiyûm Bandar ... ..                           | Faiyûm.        | 2                | Kafr Mahfûz ... ..        | Sennûris.   | 53               |
| El Hûsenîya ... ..                             | Etsa.          | 3                | Ezab El Sherîfa ... ..    | Mallawi.    | 13               |
| Nawara ... ..                                  | "              | 1                | " Fanûs ... ..            | Sennûris.   | 19               |
| El Kallabein ... ..                            | Sennûris.      | 1                | Talha ... ..              | Benha.      | 2                |
| Garfis ... ..                                  | "              | 2                | Emyaî... ..               | Tûkh.       | 4                |
| El Ikhsâs ... ..                               | "              | 2                | Ma'saret Dûda ... ..      | Sennûris.   | 17               |
| Matar Târes ... ..                             | "              | 1                | El Qamaysha ... ..        | Tala.       | 5                |
| Saft el Labân ... ..                           | Minya.         | 1                | El Muqrani ... ..         | Etsa.       | 1                |
| Beni Mazâr ... ..                              | Beni Mazâr.    | 16               | El Zerbi ... ..           | Sennûris.   | 1                |
| E'tu ... ..                                    | " "            | 1                | El A'lan ... ..           | El Faiyûm.  | 3                |
| Nazlet el Dalîl ... ..                         | " "            | 1                | El Rahmanîya ... ..       | Deirût.     | 1                |
| Edqaq ... ..                                   | " "            | 1                | El Idara ... ..           | Mallawi.    | 1                |
| El Fikrîyâ ... ..                              | Abu Qerqas.    | 10               | Abu Shorbân ... ..        | Beba.       | 2                |
| " (Ezbet el Fabrika)                           | " "            | 2                | Sayala el Sharqîya ... .. | Beni Mazâr. | 4                |
| Beni Mûsa ... ..                               | " "            | 9                | Helwa... ..               | " "         | 5                |
| Minshât De'bess ... ..                         | " "            | 1                | Deberki ... ..            | Menûf.      | 2                |
| Abyûha ... ..                                  | " "            | 2                | Fawrîqat Beba ... ..      | Beba.       | 1                |
| Menhari ... ..                                 | " "            | 2                |                           |             |                  |
| Kom el Zôheir (Ezbet el-Sheikh Mobârek) ... .. | " "            | 1                |                           |             |                  |



TABLE IV.—VILLAGES WHERE VACCINATION AGAINST PLAGUE WAS CARRIED OUT.

| Village.               | Markaz.     | Number of inhabitants. | Number of Persons vacctd. | Date of the termination of Vaccination.<br>1924. | NUMBER OF CASES.    |                    |
|------------------------|-------------|------------------------|---------------------------|--|---------------------|--------------------|
|                        |             |                        |                           |  | before vaccination. | after vaccination. |
| El Ballâs ... ..       | Qena.       | 8,288                  | 8,288                     | April 20   | 28                  | 8*                 |
| El Taramsa ... ..      | "           | 500                    | 500                       | " 20   | 7                   | —                  |
| Qalandul ... ..        | Mallawi.    | 6,261                  | 6,261                     | " 26   | 10                  | —                  |
| Kafr Mahfûz ... ..     | Sennûres.   | 4,055                  | 4,055                     | " 27   | 26                  | 27†                |
| Ezab el Sherîfa... ..  | Mallawi.    | 693                    | 693                       | " 28   | 10                  | 3                  |
| Ezab Fanûs ... ..      | Sennoures.  | 2,890                  | 2,890                     | May 10   | 19                  | —                  |
| Tahla ... ..           | Benha.      | 3,942                  | 3,942                     | " 7  | 2                   | —                  |
| Emyai... ..            | Tûkh.       | 85                     | 85                        | " 20   | 4                   | —                  |
| Ma'saret Dûda ... ..   | Sennûres.   | 8,121                  | 8,121                     | June 10  | 17                  | —                  |
| El Qamaysha ... ..     | Tala.       | 2,026                  | 2,026                     | " 11   | 5                   | —                  |
| El Maqrani ... ..      | Etsa.       | 1,128                  | 1,128                     | " 30   | 1                   | —                  |
| El Zerbi ... ..        | Sennûres.   | 5,685                  | 5,685                     | July 4   | 1                   | —                  |
| El A'lam ... ..        | Faîyûm.     | 2,073                  | 2,073                     | June 15  | 3                   | —                  |
| El Rahmaniya ... ..    | Deirût.     | 2,013                  | 2,013                     | " 29   | 1                   | —                  |
| El Idara ... ..        | Mallawi     | 3,000                  | 3,000                     | " 7  | 1                   | —                  |
| Ebu Shorbân ... ..     | Beba.       | 3,485                  | 3,485                     | July 9   | 2                   | —                  |
| Sayala el Sharqîya ... | Beni Mazâr. | 1,198                  | 1,198                     | " 17   | 4                   | —                  |
| Helwa... ..            | " "         | 2,658                  | 2,658                     | " 26   | 5                   | —                  |
| Deberky ... ..         | Menûf.      | 5,142                  | 5,142                     | December 25                                      | 2                   | —                  |
| Fawriqet Beba ... ..   | Beba.       | 2,500                  | 2,500                     | " 31   | 1                   | —                  |

\* El Ballas Out of the 8 cases which occurred here 7 were recorded during the 10 days following vaccination.

† Kafr Mahfûz 15 cases were recorded during the 10 days following vaccination; 9 cases were not previously vaccinated.

#### EZAB EL SHERÎFA.

Three cases occurred in this village during the five days following vaccination against plague, that is to say; most of the cases occurring after vaccination were in the period of incubation when vaccinated; moreover the cases which had been vaccinated were of mild type.

As the Department's Statistics for the last 25 years show that the plague season commences usually about the month of March every year, the Department considered that it was advisable to attack the disease at an early stage in its course, *i.e.* during the period when it is confined to rats so as to prevent its spread among the people.

As this disease is, for the most part, endemic in Upper Egypt, the Department erected, in January 1924, a laboratory in Asyût Bandar for making investigations on rats. This laboratory was placed in charge of a Bacteriologist from the Public Health Laboratories and a trained staff was placed at his disposal. Instructions were issued by the Department with regard to rat trapping and investigations connected therewith. These investigations are so arranged that rat-trapping is carried out in places where plague has repeatedly appeared during a number of years, that is to say, in Asyût and Girga Provinces and in places where it is believed that the disease has become endemic.

The object, the Department has in view, is that when a positive result is obtained, measures should at once be taken to disinfect houses, close rat holes, and carry out general vaccination in that particular village.

The following report which deals with these investigations, shows that not a single positive case was recorded, this is probably due to the small number of rats actually trapped.

#### Report of the Laboratory for plague investigation at Asyût.

The Laboratory was established on the January 29, 1924, on waste land in the neighbourhood of the Government Hospital. The premises comprise two rooms, one for use as an Office and the other for rat dissection and sterilisation of instruments, and two tents, one for housing tubes and drugs and the other as sleeping accommodation for the laboratory, assistant. A large tank was placed in the Laboratory grounds for the disinfection of trap after use. Anaesthetic boxes were placed in another part of the grounds.



MODE OF INVESTIGATION.

As soon as the traps containing the rats are received, they are removed from their respective bags, and both the traps and the bags are placed in special boxes, each of which contains a swab saturated with Chloroform. After twenty minutes the boxes are opened, as by this time all rats and fleas contained in them are found to be dead. The rats are then taken to the dissecting room and after dissection, sepcimens are taken from those having enlarged spleens, or enlarged lymphatic glands but specially from those having white spots in their spleens. The specimens are then sent to the Public Health Laboratories so as to arrive not later than the day following that of their despatch ; here they are put in an incubator at a temperature of 37° centigrade for another day and then finally examined for plague.

The sending of a specimen from every case of enlarged spleen in a rat, whether it is proved to be plague positive or not, involves a considerable amount of laborious work ; it is, however, found to be the most efficient method of discovering the existence of plague.

It is necessary, therefore, for a period of 48 hours to elapse from the time the specimens are taken to the time they are examined.

No difficulty was experienced in obtaining a sufficient number of rats from Asyût Province, especially the Bandar and Markaz of Asyût ; this was due to the fact that the object of the investigations required was first explained to the Mudirîya Public Health Inspector and the Medical Officer ; the latter again conveyed this information to the Omdas and Sheikhs.

On the other hand, great difficulty was experienced at first in obtaining any appreciable number of rats from Minya and Girga Provinces. As only one rat was received every three days, from each of these two Mudirias, strict instructions were issued by the Department ; the number of rats collected thereafter greatly increased.

The following table V.—shows the number of rats collected from the different Markazes and also the number of specimens taken from these rats :—

| MUDÎRÎYA.    | TOWN.                    | Number of rats. | Number of specimens. |
|--------------|--------------------------|-----------------|----------------------|
| Asyût... ..  | Asyût Bandar ... ..      | 98              | 23                   |
|              | El Walîdiya ... ..       | 55              | 18                   |
|              | El Qosîya... ..          | 81              | 26                   |
|              | Nazlet Abdella ... ..    | 47              | 7                    |
|              | El Moteia... ..          | 61              | 19                   |
|              | Sanabo ... ..            | 68              | 17                   |
|              | Deirût Om Nakhla... ..   | 64              | 12                   |
|              | El Idara ... ..          | 203             | 46                   |
|              | Qalandûl ... ..          | 121             | 27                   |
| Minya ... .. | Minya Bandar... ..       | 20              | 2                    |
|              | Deida ... ..             | 64              | 17                   |
|              | El Fekrîya ... ..        | 178             | 13                   |
|              | Beni Mazâr ... ..        | 115             | 31                   |
|              | Kôm Zoheir ... ..        | 93              | 11                   |
|              | Abu Qorqâs ... ..        | 12              | 6                    |
|              | Ezbet El Dashlûti ... .. | 18              | 2                    |
|              | Ezbet El Fawriqa ... ..  | 13              | 3                    |
|              | Manhâri ... ..           | 63              | 8                    |
| Girga... ..  | Bandar Girga ... ..      | 109             | 17                   |
|              | Bandar Tahta ... ..      | 118             | 28                   |
|              | El Eisawiya ... ..       | 24              | 6                    |
|              | Sohâg ... ..             | 102             | 14                   |
|              | El Samata ... ..         | 23              | 5                    |
|              | El Baliana ... ..        | 63              | 26                   |
|              | Bardîs ... ..            | 75              | 24                   |
|              | El Minshât ... ..        | 61              | 16                   |
|              | El Mahasna ... ..        | 41              | 5                    |
| TOTAL ... .. |                          | 1,990           | 429                  |



Some specimens were found to contain suspected organisms, but further investigation proved that the latter were not plague bacilli. The work was completed on April 15, 1924, without a single case being found to be positive.

### General Plague Vaccination and the closing of Rat-Holes in Villages situated in Asyût and Girga Provinces where Cases of Plague Have Repeatedly occurred.

The object which the Department had in view was to stamp out this disease, by combating it and preventing its spread by every possible means.

The Department was unable to attain this object by the examination of rats as previously mentioned ; it proposed, therefore, to carry out general vaccination in villages, where plague had repeatedly occurred, and to close all rat-holes in other places in Asyût and Girga Provinces well in advance of the time when the usual incidence of plague takes place.

The inhabitants of the villages were, therefore, vaccinated on the dates and at the places mentioned below :—

| MUDIRIEH.    | TOWN.              | Population 1917. | Date of vaccination. | Number vaccinated. |
|--------------|--------------------|------------------|----------------------|--------------------|
| Asyût ... .. | El Mote'a ... ..   | 8,591            | 26.12.24             | 7,200              |
|              | El Walidiya ... .. | 8,577            | 26.12.24             | 7,798              |
| Girga ... .. | El Minshât... ..   | 1,2621           | 5.12.24              | 10,976             |
|              | El Zankûr ... ..   | 2,498            | 5.12.24              | 2,510              |
|              | El Mahasna ... ..  | 2,645            | 5.12.24              | 2,730              |
|              | El Balyana... ..   | 1,599            | 5.12.24              | 6,311              |

The following table VI.—shows the villages where rat-holes were closed by the Department :—

| VILLAGE.                | No. of Houses. | No. of Houses with holes. | No. of rat holes closed. |
|-------------------------|----------------|---------------------------|--------------------------|
| Nazlet Abdella ... ..   | 146            | 123                       | 960                      |
| Deirût Om Nakhla ... .. | 869            | 280                       | 663                      |
| Sanabo ... ..           | 1,813          | 939                       | 2,062                    |
| Tahta ... ..            | 3,178          | 4,252                     | 7,227                    |
| Girga ... ..            | 3,279          | 4,450                     | 11,181                   |
| El Qoraan ... ..        | 748            | 912                       | 1,883                    |
| Sahel Tahta... ..       | 812            | 1,031                     | 1,068                    |

This work was carried out under the supervision of an Epidemic Inspector assisted by two Epidemic Medical Officers.

The Department issued the following instructions with reference to the vaccination of the inhabitants of infected places with Anti-Plague vaccine :

Public Health Inspector.

The Department desires to obtain valuable results from Anti-Plague Vaccination.

These results cannot be obtained unless numerous trials are made in various parts of the country. The Department suggests therefore, that as soon as a case of plague occurs, the Public Health Inspector of the Mudîriya should telegraph to the Central Administration for permission to carry out general vaccination in that particular village. The telegram should state the quantity of vaccine and number of Medical Officers required for this purpose.

Before commencing vaccination, the following measures should be carried out :—

1. A sketch map should be drawn showing the village divided into squares, each of which is allotted a serial number.





A sufficient number of policemen and Ghaffirs should be provided to prevent overcrowding and the escape of the inhabitants, and to maintain order.

One or more employees for the clerical work, according to the population of the village.  
One or more Tamourgies.

IV.—The Omda and all Sheikhs should be present during the procedure, in order to afford any assistance required, and to give information regarding absentees.

V.—Vaccination should be completed within three days at most whatever the population may be.

VI.—The inhabitants, upon whom the vaccination is to be performed, should be informed the previous night in order to be ready to proceed to the Vaccination quarters in the morning or after noon of the day fixed in accordance with the time allotted for each square.

They will be informed either by the Ghaffirs or by Munadeen *i.e.* men who go round the village announcing to the inhabitants that they should proceed to the appointed place for vaccination.

VII.—Work should commence at 5 a.m. and finish at noon, for the morning session, the afternoon session should commence at 3 p.m. and finish at 5.

VIII.—The work should be carried out in a methodical manner *i.e.* an employee should call the names of the inhabitants from the lists provided for this purpose; arrangements should be made for the men to wait in a special place in the cordon some distance from that set apart for the women.

IX.—Before commencing vaccination, the Department's staff engaged in the work should be inoculated.

X.—Tamourgies will request people to lay bare their arms, they will then clean the skin area with Tincture of Iodine and take them to the Medical Officer.

XI.—Adults should be inoculated for the first time with  $\frac{1}{2}$  cc. of vaccine.

XII.—No one should be exempted from inoculation except very young infants, and those mentioned under paragraph XVII.

XIII.—The quantity of vaccine to be administered to children according to their age is as follows:—

Age 2 years. quantity of vaccine required  $\frac{1}{6}$  of adult dose.

Age 3 years. quantity of vaccine required  $\frac{1}{5}$  of adult dose.

Age 4 years. quantity of vaccine required  $\frac{1}{4}$  of adult dose.

Age 5–6 years. quantity of vaccine required  $\frac{1}{3}$  of adult dose.

Age 7–9 years. quantity of vaccine required  $\frac{1}{2}$  of adult dose.

Age 10–12 years. quantity of vaccine required  $\frac{2}{3}$  of adult dose.

Persons over 12 years of age should be given the same dose of vaccine as that for an adult.

XIV.—The second inoculation is to be made on the tenth day after the 1st. and the dose of vaccine for the former should be double that for the latter.

XV.—All arrangements should be made so that the work of the inhabitants is interfered with as little as possible.

XVI.—Certain Ghaffirs should be instructed to visit the houses during the carrying out of inoculation, in order to make sure that all the inhabitants proceeded to the vaccination quarters; they should search for absentees and bring them in at once.

XVII.—Persons who are unable to present themselves for vaccination on account of old age, weakness, or sickness are to be exempted from vaccination. Families of notables should be vaccinated in their houses after the routine work of the day has been completed.





| السنة<br>YEAR | تعداد القطن<br>No of Population | الطاعون<br>PLAGUE |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | عدد الأصابات<br>No of Cases<br>النسبة في كل<br>1000<br>Percentage<br>Per 100000 | عدد الوفيات<br>No of Deaths |              |
|---------------|---------------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-----------------------------|--------------|
|               |                                 | ١٧<br>17          | ١٦<br>16 | ١٥<br>15 | ١٤<br>14 | ١٣<br>13 | ١٢<br>12 | ١١<br>11 | ١٠<br>10 | ٩<br>9 | ٨<br>8 | ٧<br>7 | ٦<br>6 | ٥<br>5 | ٤<br>4 | ٣<br>3 | ٢<br>2 | ١<br>1 |   |                             |              |
| ١٩٠٠<br>1900  |                                 |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٢٧<br>127  | ١,٣<br>1.3                  | ٦٠<br>60     |
| ١٩٠١<br>1901  |                                 |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٢٠٥<br>205  | ٢,١<br>2.1                  | ١٠٢<br>102   |
| ١٩٠٢<br>1902  | ٩,٩١٢,٢٤٠<br>9.912.240          |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٤٨١<br>481  | ٤,١<br>4.1                  | ٢٩١<br>291   |
| ١٩٠٣<br>1903  | ١٠,٠٦٤,٧٦٦<br>10.064.766        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٣٠٣<br>303  | ٣<br>3                      | ١٦٠<br>160   |
| ١٩٠٤<br>1904  | ١٠,٢١٨,٢٤٩<br>10.218.249        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٨٥٤<br>854  | ٨,٤<br>8.4                  | ٥٠١<br>501   |
| ١٩٠٥<br>1905  | ١٠,٣٧٣,٨١٣<br>10.373.813        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٢٦٦<br>266  | ٢,٦<br>2.6                  | ١٨١<br>181   |
| ١٩٠٦<br>1906  | ١٠,٥٣١,٠٠٠<br>10.531.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٦٣١<br>631  | ٦<br>6                      | ٤٧٥<br>475   |
| ١٩٠٧<br>1907  | ١٠,٦٨٦,٠٠٠<br>10.686.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٢٥٣<br>1253  | ١٠,٨<br>10.8                | ٩١٤<br>914   |
| ١٩٠٨<br>1908  | ١٠,٨٤١,٠٠٠<br>10.841.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٥١١<br>1511  | ١٣,٩<br>13.9                | ٧٨٠<br>780   |
| ١٩٠٩<br>1909  | ١٠,٩٩٨,٠٠٠<br>10.998.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٥١٣<br>513  | ٤,٧<br>4.7                  | ٢٠٧<br>207   |
| ١٩١٠<br>1910  | ١١,١٥٧,٠٠٠<br>11.157.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٢٣٩<br>1239  | ١١<br>11                    | ٦١٥<br>615   |
| ١٩١١<br>1911  | ١١,٣١٧,٠٠٠<br>11.317.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٦٥٦<br>1656  | ١٤,٦<br>14.6                | ١٠٤١<br>1041 |
| ١٩١٢<br>1912  | ١١,٤٨١,٠٠٠<br>11.481.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٨٨٤<br>884  | ٧,٧<br>7.7                  | ٤٤١<br>441   |
| ١٩١٣<br>1913  | ١١,٦٤٦,٠٠٠<br>11.646.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٦٥٤<br>654  | ٥,٦<br>5.6                  | ٣٠٤<br>304   |
| ١٩١٤<br>1914  | ١١,٨١٥,٠٠٠<br>11.815.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٢١٩<br>219  | ١,٩<br>1.9                  | ١١١<br>111   |
| ١٩١٥<br>1915  | ١١,٩٨٧,٠٠٠<br>11.987.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٢٣٥<br>235  | ٢<br>2                      | ١٢٠<br>120   |
| ١٩١٦<br>1916  | ١٢,١٦٠,٠٠٠<br>12.160.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٧٠٢<br>1702  | ١٤<br>14                    | ٨٢٨<br>828   |
| ١٩١٧<br>1917  | ١٢,٧٦٠,٢٠٠<br>12.760.200        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٧٣٢<br>732  | ٥,٧<br>5.7                  | ٣٣٩<br>339   |
| ١٩١٨<br>1918  | ١٢,٩١٠,٥٠٠<br>12.910.500        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٣٥٧<br>357  | ٢,٨<br>2.8                  | ١٥٣<br>153   |
| ١٩١٩<br>1919  | ١٢,٨٧٨,٠٠٠<br>12.878.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٨٧٧<br>877  | ٦,٨<br>6.8                  | ٤٧٣<br>473   |
| ١٩٢٠<br>1920  | ١٣,٠٤٢,٤٠٠<br>13.042.400        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٤٦٢<br>462  | ٣,٥<br>3.5                  | ٢٦٩<br>269   |
| ١٩٢١<br>1921  | ١٣,٢٢٧,٤٠٠<br>13.227.400        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٣٥٦<br>356  | ٢,٦<br>2.6                  | ١٥٣<br>153   |
| ١٩٢٢<br>1922  | ١٣,٤٧٣,٣٠٠<br>13.473.300        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٤٨٣<br>483  | ٣,٦<br>3.6                  | ٢٢٨<br>228   |
| ١٩٢٣<br>1923  | ١٣,٧١٧,٠٠٠<br>13.717.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ١٥١٩<br>1519  | ١١<br>11                    | ٧٢٥<br>725   |
| ١٩٢٤<br>1924  | ١٣,٨٨٥,٠٠٠<br>13.885.000        |                   |          |          |          |          |          |          |          |        |        |        |        |        |        |        |        |        | ٣٧٣<br>373  | ٢,٦<br>2.6                  | ١٩٣<br>193   |

XVIII.—Special care should be taken to prevent contacts of cases of plague from associating with the remainder of the inhabitants during this procedure. The contacts should first have their clothes removed for disinfection, after which they are to be supplied with Departmental clothing ; they are then to be inoculated.

XIX.—The clerk's registration work should be checked by recording the mark denoting 5 persons in pencil on a piece of paper. On completion of the work, these marks should be added, and their total checked with the number registered by the clerk.

#### GENERAL INSTRUCTIONS FOR THE PRACTICE OF VACCINATION.

I.—Syringes are to be placed in cold water in the sterilizer ; the water should then be brought to the boiling point.

Syringes should never be plunged into boiling water, otherwise the glass parts are liable to be broken. There is no necessity to boil the barrel of the syringe between injections, unless it is contaminated or is stained with the blood of those inoculated.

II.—All needles should be boiled before use.

III.—A sterilized needle should only be used for one person, after which it must be re-sterilized, before again being used.

IV.—The water in the sterilizer should be kept boiling during the whole time the work is going on.

V.—During the process of inoculation, the needle is taken from the sterilizer by means of forceps and is fixed to the syringe. After use, the needle is removed with the fingers and placed in the boiling water ; this procedure is repeated for each operation.

VI.—Broken needles should not be thrown on the floor, they must be placed on a plate specially provided for the purpose, in order to avoid injury to bare-footed persons.

VII.—Before commencing vaccination, a Medical Officer should deliver an abridged lecture to the inhabitants, explaining its advantages."

THE FOLLOWING TABLE VII.—SHOWS THE GENERAL STATISTICS OF PLAGUE  
FROM 1899 TO 1924 :—

| Year. | Number of cases. | Number of deaths. | Percentage of deaths. |
|-------|------------------|-------------------|-----------------------|
| 1899  | 93               | 45                | 48·3                  |
| 1900  | 127              | 60                | 47·2                  |
| 1901  | 205              | 102               | 49·5                  |
| 1902  | 481              | 291               | 60·0                  |
| 1903  | 303              | 160               | 52·4                  |
| 1904  | 854              | 501               | 58·66                 |
| 1905  | 266              | 181               | 68·0                  |
| 1906  | 631              | 475               | 75·2                  |
| 1907  | 1,253            | 914               | 72·9                  |
| 1908  | 1,511            | 780               | 51·6                  |
| 1909  | 513              | 207               | 40·3                  |
| 1910  | 1,238            | 615               | 49·6                  |
| 1911  | 1,658            | 1,041             | 62·8                  |
| 1912  | 884              | 441               | 49·8                  |
| 1913  | 654              | 304               | 46·4                  |
| 1914  | 219              | 111               | 50·7                  |
| 1915  | 235              | 120               | 51·0                  |
| 1916  | 1,702            | 828               | 48·7                  |
| 1917  | 732              | 399               | 54·5                  |
| 1918  | 357              | 153               | 42·8                  |
| 1919  | 877              | 473               | 53·9                  |
| 1920  | 462              | 269               | 58·2                  |
| 1921  | 356              | 153               | 42·9                  |
| 1922  | 487              | 228               | 46·8                  |
| 1923  | 1,519            | 725               | 47·7                  |
| 1924  | 373              | 193               | 51·7                  |



Egyptians.

TABLE VIII.—DETAILS OF CASES

| Serial Number. | Governorate or Province. | District.        | Village.                          | Duration of Outbreak.         |              | Cases remaining at end of previous year. |
|----------------|--------------------------|------------------|-----------------------------------|-------------------------------|--------------|--|
|                |                          |                  |                                   | From                          | To           |  |
| 1              | Alexandria.              | Alexandria.      | —                                 | Remaining from previous year. | December 25  | 1  |
| 1              | Port Said.               | Port-Said.       | —                                 | April 24                      | " 7          | —  |
| 2              | "                        | Canal.           | Ismailia.                         | July 6                        | July 6       | —  |
| 1              | Suez.                    | Suez.            | —                                 | Remaining from previous year. | December 20  | 3  |
| Total ...      |                          |                  |                                   |                               |              | 4  |
| 1              | Beheira.                 | Raml.            | Ezab Nûbâr (Ezbet El Khomsmeya).  | August 9                      | August 9     | —  |
| 1              | Gharbiya.                | Tanta.           | Tanta Bandar.                     | April 21                      | September 16 | —  |
| 1              | Minûfiya.                | Shebîn el Kôm.   | Kafr 'Ashma.                      | February 14                   | February 14  | —  |
| 1              | "                        | Ashmûn.          | Shanshur.                         | Remaining from previous year. | January 12   | 3  |
| 1              | "                        | Minûf.           | Kafr Fîsha.                       | " "                           | " 31         | 6  |
| 2              | "                        | "                | Fîsha el Soghra.                  | " "                           | April 15     | 3  |
| 3              | "                        | "                | Sirwheit.                         | " "                           | January 29   | 2  |
| 4              | "                        | "                | Bahnay.                           | January 6                     | " 12         | —  |
| 5              | "                        | "                | Garwân.                           | " 18                          | " 29         | —  |
| 6              | "                        | "                | Tilwâna.                          | " 23                          | " 31         | —  |
| 7              | "                        | "                | Minûf Bandar.                     | " 28                          | June 28      | —  |
| 8              | "                        | "                | Heit.                             | February 7                    | February 7   | —  |
| 9              | "                        | "                | Sirs el Layâna.                   | " 9                           | May 4        | —  |
| 10             | "                        | "                | El Bâgûr.                         | March 6                       | March 6      | —  |
| 11             | "                        | "                | Kafr Mahmûd.                      | September 1                   | September 1  | —  |
| 12             | "                        | "                | Deberky.                          | December 20                   | December 25  | —  |
| Total ...      |                          |                  |                                   |                               |              | 14                                       |
| 1              | Minûfiya.                | Tala.            | El Kamaisha.                      | June 5                        | June 28      | —  |
| 1              | Qalyûbiya.               | Benha.           | Tahla.                            | May 3                         | May 5        | —  |
| 2              | "                        | "                | Kafr Tahla.                       | " 17                          | " 18         | —  |
| 3              | "                        | "                | El Ramla.                         | December 22                   | December 31  | —  |
| Total ...      |                          |                  |                                   |                               |              | —  |
| 1              | Qalyûbiya.               | Tûkh.            | Ekyâd.                            | January 7                     | January 13   | —  |
| 2              | "                        | "                | Emyai (Ezbet Amîn Bey).           | May 21                        | May 29       | —  |
| Total ...      |                          |                  |                                   |                               |              | —  |
| 1              | Daqahlîya.               | El Simbillâwein. | El Golaila.                       | October 1                     | October 1    | —  |
| 1              | Sharkîya.                | Zagazîg.         | El Tal el Kebîr.                  | January 31                    | January 31   | —  |
| 1              | Beni-Suef.               | Beba.            | Abou Shorbân.                     | June 21                       | June 21      | —  |
| 2              | "                        | "                | Abou Shorbân (Ezbet Saleh Selim). | " 24                          | " 24         | —  |
| 3              | "                        | "                | Fawriqet Beba.                    | December 25                   | December 25  | —  |
| Total ...      |                          |                  |                                   |                               |              | —  |
| 1              | Faiyûm.                  | Faiyûm.          | Faiyûm Bandar.                    | April 26                      | July 18      | —  |
| 2              | "                        | "                | El A'âm.                          | May 8                         | June 24      | —  |
| Total ...      |                          |                  |                                   |                               |              | —  |
| 1              | "                        | Etsa.            | El Husseinîya (Ez. el Gabâli)     | June 11                       | July 6       | —  |
| 2              | "                        | "                | El Makrâni.                       | " 11                          | June 14      | —  |
| 3              | "                        | "                | Nawâra.                           | " 12                          | " 26         | —  |
| Total ...      |                          |                  |                                   |                               |              | —  |

OF PLAGUE FOR 1924.

| Admissions to Hospital. |             |            |        | Died in Hospital<br>or Discharged. |        |        | Cases<br>remaining<br>at end of<br>year. | Deaths out of Hospital. |             |            | TOTAL. |         |
|-------------------------|-------------|------------|--------|------------------------------------|--------|--------|--|-------------------------|-------------|------------|--------|---------|
| Bubonic.                | Septicæmic. | Pneumonic. | TOTAL. | Died.                              | Cured. | TOTAL. |  | Bubonic.                | Septicæmic. | Pneumonic. | Cases. | Deaths. |
| —                       | —           | —          | —      | —                                  | 1      | 1      | —  | 1                       | 1           | —          | 2      | 2       |
| 2                       | 2           | —          | 4      | 2                                  | 2      | 4      | —  | 1                       | —           | —          | 5      | 3       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 1           | —          | 1      | 1       |
| 10                      | 2           | —          | 12     | 6                                  | 9      | 15     | —  | 3                       | 2           | —          | 17     | 11      |
| 12                      | 4           | —          | 16     | 8                                  | 12     | 20     | —  | 5                       | 4           | —          | 25     | 17      |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 1           | —          | 1      | 1       |
| 5                       | —           | —          | 5      | 1                                  | 4      | 5      | —  | 1                       | —           | —          | 6      | 2       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 1           | —          | 1      | 1       |
| 1                       | —           | —          | 1      | 1                                  | 3      | 4      | —  | —                       | 1           | —          | 2      | 2       |
| 2                       | —           | —          | 2      | —                                  | 8      | 8      | —  | —                       | —           | —          | 2      | —       |
| 4                       | —           | —          | 4      | 2                                  | 5      | 7      | —  | —                       | —           | —          | 4      | 2       |
| 2                       | —           | —          | 2      | —                                  | 4      | 4      | —  | —                       | —           | —          | 2      | —       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | 2                       | —           | —          | 2      | 2       |
| 2                       | —           | —          | 2      | —                                  | 2      | 2      | —  | 1                       | —           | —          | 3      | 1       |
| 3                       | —           | —          | 3      | 1                                  | 2      | 3      | —  | —                       | —           | —          | 3      | 1       |
| 7                       | 3           | —          | 10     | 5                                  | 5      | 10     | —  | 5                       | 6           | —          | 21     | 16      |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | 1                       | —           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | 1                       | 1           | —          | 2      | 2       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | —           | —          | 1      | 1       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | —           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 2           | —          | 2      | 2       |
| 28                      | 3           | —          | 31     | 12                                 | 23     | 45     | —  | 11                      | 12          | —          | 54     | 35      |
| 1                       | 3           | —          | 4      | 2                                  | 2      | 4      | —  | —                       | 1           | —          | 5      | 3       |
| 2                       | —           | —          | 2      | —                                  | 2      | 2      | —  | —                       | —           | —          | 2      | —       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | —           | —          | 1      | 1       |
| 1                       | 1           | —          | 2      | 1                                  | —      | 1      | 1  | —                       | 2           | —          | 4      | 3       |
| 5                       | 4           | —          | 9      | 4                                  | 4      | 8      | 1  | —                       | 3           | —          | 12     | 7       |
| 1                       | —           | —          | 1      | —                                  | 1      | 1      | —  | —                       | —           | —          | 1      | —       |
| 4                       | —           | —          | 4      | —                                  | 4      | 4      | —  | —                       | —           | —          | 4      | —       |
| 5                       | —           | —          | 5      | —                                  | 5      | 5      | —  | —                       | —           | —          | 5      | —       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | —                       | 1           | —          | 1      | 1       |
| 2                       | —           | —          | 2      | 2                                  | —      | 2      | —  | —                       | —           | —          | 2      | 2       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | —           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                                  | —      | —      | —  | 1                       | —           | —          | 1      | 1       |
| 3                       | —           | —          | 3      | 3                                  | —      | 3      | —  | 1                       | 2           | —          | 6      | 6       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | 1           | —          | 2      | 2       |
| 2                       | —           | —          | 2      | 1                                  | 1      | 2      | —  | —                       | 1           | —          | 3      | 2       |
| 3                       | —           | —          | 3      | 2                                  | 1      | 3      | —  | —                       | 2           | —          | 5      | 4       |
| 3                       | —           | —          | 3      | 1                                  | 2      | 3      | —  | —                       | —           | —          | 3      | 1       |
| 1                       | —           | —          | 1      | 1                                  | —      | 1      | —  | —                       | —           | —          | 1      | 1       |
| 1                       | —           | —          | 1      | —                                  | 1      | 1      | —  | —                       | —           | —          | 1      | —       |
| 5                       | —           | —          | 5      | 2                                  | 3      | 5      | —  | —                       | —           | —          | 5      | 2       |



*Egyptians.*

TABLE VIII.—DETAILS OF CASES

| Serial Number. | Governorate or Province. | District.   | Village.                             | Duration of Outbreak. |            | Cases remaining at end of previous year. |
|----------------|--------------------------|-------------|--------------------------------------|-----------------------|------------|--|
|                |                          |             |                                      | From                  | To         |  |
| 1              | El Faiyûm.               | Simmûris.   | Kafr Mahfûz.                         | February 18           | June 19    | —  |
| 2              | "                        | "           | El Kallabîn.                         | April 26              | April 26   | —  |
| 3              | "                        | "           | Ezab Fanûs.                          | " 29                  | May 24     | —  |
| 4              | "                        | "           | Gerfes.                              | May 2                 | " 17       | —  |
| 5              | "                        | "           | El Ekhsâs.                           | " 27                  | June 11    | —  |
| 6              | "                        | "           | Matartâres (Ezbet el Abîd).          | " 29                  | May 29     | —  |
| 7              | "                        | "           | Ma'saret Dûda.                       | June 3                | June 26    | —  |
| 8              | "                        | "           | El Zerbi.                            | February 5            | " 24       | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | El Minya.                | El Minya.   | Saft el Laban.                       | May 31                | May 31     | —  |
| 1              | "                        | Beni Mazâr. | Beni Mazâr Bandar.                   | February 5            | August 8   | —  |
| 2              | "                        | "           | Etou.                                | April 14              | April 8    | —  |
| 3              | "                        | "           | Nazlet el Dalil.                     | May 6                 | May 6      | —  |
| 4              | "                        | "           | Edqaq.                               | June 26               | June 26    | —  |
| 5              | "                        | "           | Sayâla el Sharqiya.                  | July 10               | July 21    | —  |
| 6              | "                        | "           | Helwâ.                               | " 21                  | August 8   | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | El Minya.                | Abu Qurqas. | El Fikriya.                          | May 4                 | July 30    | —  |
| 2              | "                        | "           | El Fikriya (Ez. el Fabriqa.)         | March 27              | April 2    | —  |
| 3              | "                        | "           | (Ezbet Mohamed Bey Mûsa).            | July 1                | July 1     | —  |
| 4              | "                        | "           | Beni Mûsa.                           | May 8                 | " 13       | —  |
| 5              | "                        | "           | Minshât Debes.                       | " 22                  | May 31     | —  |
| 6              | "                        | "           | Abyûha                               | " 27                  | June 5     | —  |
| 7              | "                        | "           | Menhâri.                             | June 19               | July 9     | —  |
| 8              | "                        | "           | Kom el Zoheir Ez. el Sheikh Ombârek. | July 31               | " 31       | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | El Minya.                | El Fashn.   | El Qali'a.                           | June 20               | June 27    | —  |
| 2              | "                        | "           | Talat.                               | " 20                  | July 3     | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | Asyût.                   | Deirût.     | Asmu el Arûs.                        | April 6               | April 6    | —  |
| 2              | "                        | "           | Deirût el Mahatta.                   | " 7                   | " 19       | —  |
| 3              | "                        | "           | El Qorashîya.                        | " 26                  | " 26       | —  |
| 4              | "                        | "           | Kharfa.                              | May 22                | May 22     | —  |
| 5              | "                        | "           | El Rahmânîya.                        | June 18               | June 18    | —  |
| 6              | "                        | "           | Abu Khalaka.                         | August 13             | August 13  | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | Asyût.                   | Mallawi.    | Mallawi Bandar.                      | April 11              | April 11   | —  |
| 2              | "                        | "           | Qalandûl.                            | " 1                   | " 25       | —  |
| 3              | "                        | "           | Nazlet Sharmûkh.                     | " 17                  | May 16     | —  |
| 4              | "                        | "           | El Mahras (Ez. el Sherifa).          | " 29                  | " 14       | —  |
| 5              | "                        | "           | Saqiet Mûsa.                         | May 8                 | " 8        | —  |
| 6              | "                        | "           | Nazlet Hamzâwi.                      | June 7                | June 7     | —  |
| 7              | "                        | "           | El Baraguil.                         | " 15                  | " 15       | —  |
| 8              | "                        | "           | El Idara.                            | July 5                | July 5     | —  |
| 9              | "                        | "           | El Ashmûnîn.                         | " 19                  | " 19       | —  |
| 10             | "                        | "           | Abu Qolta.                           | August 27             | August 27  | —  |
| Total ...      |                          |             |                                      |                       |            | —  |
| 1              | Gerga.                   | Gerga.      | Awlâd Salâma.                        | January 17            | January 17 | —  |
| 2              | "                        | "           | Gerga Bandar.                        | " 24                  | May 24     | —  |
| Total ...      |                          |             |                                      |                       |            | —  |

OF PLAGUE IN 1924 (continued).

| Admissions to Hospital. |             |            |        | Died in Hospital or Discharged. |        |        | Cases existing at end of year. | Deaths out of Hospital. |             |            | TOTAL. |         |
|-------------------------|-------------|------------|--------|---------------------------------|--------|--------|--------------------------------|-------------------------|-------------|------------|--------|---------|
| Bubonic.                | Septicæmic. | Pneumonic. | TOTAL. | Died.                           | Cured. | TOTAL. |                                | Bubonic.                | Septicæmic. | Pneumonic. | Cases. | Deaths. |
| 51                      | —           | —          | 51     | 10                              | 41     | 51     | —                              | 1                       | 1           | —          | 53     | 12      |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 17                      | 1           | —          | 18     | 3                               | 15     | 18     | —                              | 1                       | —           | —          | 19     | 4       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | 1                       | 1           | —          | 2      | 2       |
| 1                       | —           | —          | 1      | 1                               | —      | 1      | —                              | —                       | 1           | —          | 2      | 2       |
| —                       | 1           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| 15                      | 1           | —          | 16     | 4                               | 12     | 16     | —                              | —                       | 1           | —          | 17     | 5       |
| 1                       | —           | —          | 1      | —                               | 1      | 1      | —                              | —                       | —           | —          | 1      | —       |
| 85                      | 3           | —          | 88     | 19                              | 69     | 88     | —                              | 3                       | 5           | —          | 96     | 27      |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 11                      | —           | —          | 11     | 5                               | 6      | 11     | —                              | 2                       | 3           | —          | 16     | 10      |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 4                       | —           | —          | 4      | 2                               | 2      | 4      | —                              | —                       | —           | —          | 4      | 2       |
| 5                       | —           | —          | 5      | —                               | 5      | 5      | —                              | —                       | —           | —          | 5      | —       |
| 20                      | —           | —          | 20     | 7                               | 13     | 20     | —                              | 2                       | 7           | —          | 29     | 16      |
| 6                       | —           | —          | 6      | —                               | 6      | 6      | —                              | 2                       | 2           | —          | 10     | 4       |
| 1                       | —           | —          | 1      | —                               | 1      | 1      | —                              | 1                       | —           | —          | 2      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | 1                       | —           | —          | 1      | 1       |
| 6                       | 1           | —          | 7      | 2                               | 5      | 7      | —                              | 2                       | —           | —          | 9      | 4       |
| 1                       | —           | —          | 1      | —                               | 1      | 1      | —                              | —                       | —           | —          | 1      | —       |
| 2                       | —           | —          | 2      | —                               | 2      | 2      | —                              | —                       | —           | —          | 2      | —       |
| 2                       | —           | —          | 2      | 1                               | 1      | 2      | —                              | —                       | —           | —          | 2      | 1       |
| 1                       | —           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| 19                      | 1           | —          | 20     | 4                               | 16     | 20     | —                              | 6                       | 2           | —          | 28     | 12      |
| 2                       | —           | —          | 2      | —                               | 2      | 2      | —                              | —                       | —           | —          | 2      | —       |
| 1                       | —           | —          | 1      | —                               | 1      | 1      | —                              | —                       | —           | —          | 1      | —       |
| 3                       | —           | —          | 3      | —                               | 3      | 3      | —                              | —                       | —           | —          | 3      | —       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 4                       | —           | —          | 4      | —                               | 4      | 4      | —                              | 1                       | 1           | —          | 6      | 2       |
| 1                       | —           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| 1                       | —           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 6                       | —           | —          | 6      | 2                               | 4      | 6      | —                              | 1                       | 4           | —          | 11     | 7       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 7                       | 3           | —          | 10     | 7                               | 3      | 10     | —                              | —                       | —           | —          | 10     | 7       |
| 2                       | —           | —          | 2      | 1                               | 1      | 2      | —                              | 1                       | —           | —          | 3      | 2       |
| —                       | 6           | 5          | 11     | 10                              | 1      | 11     | —                              | —                       | 1           | 1          | 13     | 12      |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | 1                       | —           | —          | 1      | 1       |
| 1                       | —           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| —                       | —           | —          | —      | —                               | —      | —      | —                              | —                       | 1           | —          | 1      | 1       |
| 10                      | 9           | 5          | 24     | 19                              | 5      | 24     | —                              | 2                       | 6           | 1          | 33     | 28      |
| —                       | 1           | —          | 1      | 1                               | —      | 1      | —                              | —                       | —           | —          | 1      | 1       |
| 8                       | —           | —          | 8      | 1                               | 7      | 8      | —                              | 1                       | —           | —          | 9      | 2       |
| 8                       | 1           | —          | 9      | 2                               | 7      | 9      | —                              | 1                       | —           | —          | 10     | 3       |



Egyptians.

TABLE VIII.—DETAILS OF CASES

| Serial Number.                   | Governorate or Province. | District.  | Village.                                | Duration of Outbreak                    |             | Cases existing at end of previous year. |    |
|----------------------------------|--------------------------|------------|---|---|-------------|---|----|
|                                  |                          |            |   | From                                    | To          |   |    |
| 1                                | Qena.                    | Qena.      | El Ballas.                              | April                                   | 5 May       | 24                                      | —  |
| 2                                | „                        | „          | El Taramsa (Nag <sup>c</sup> el Gabal). | „                                       | 5 April     | 24                                      | —  |
|                                  |                          |            |   |   | Total       | ...                                     | —  |
| 1                                | Qena.                    | Luxor.     | El Baeerat.                             | April                                   | 29 April    | 29                                      | —  |
| 1                                | „                        | Dishna.    | El Samata.                              | November                                | 15 November | 22                                      | —  |
|                                  |                          |            |   | Grand Total of Natives                  |             |   | 18 |
| <i>Foreigners :—</i>             |                          |            |   |   |             |   |    |
| 1                                | Port Said.               | Port Said. | —                                       | May                                     | 31 November | 10                                      | —  |
| 1                                | Suez.                    | Suez.      | —                                       | January                                 | 17 August   | 10                                      | —  |
|                                  |                          |            |   | Grand Total of Foreigners...            |             |   | —  |
| <i>Natives and Foreigners :—</i> |                          |            |   |   |             |   |    |
| Grand Total of Natives.          |                          |            |   | Existing at end of previous year ... .. |             |   | 18 |
| Grand Total of Foreigners.       |                          |            |   | Existing at end of previous year ... .. |             |   | —  |
|                                  |                          |            |   | Grand Total of Natives and Foreigners.  |             |   | 18 |

OF PLAGUE IN 1924 (*continued*).

| Admissions to Hospital. |             |            |        | Died in Hospital<br>or Discharged. |        |        | Cases<br>existing<br>at end of<br>year. | Deaths out of Hospital. |             |            | TOTAL. |         |
|-------------------------|-------------|------------|--------|------------------------------------|--------|--------|---|-------------------------|-------------|------------|--------|---------|
| Bubonic.                | Septicæmic. | Pneumonic. | TOTAL. | Died.                              | Cured. | TOTAL. |   | Bubonic.                | Septicæmic. | Pneumonic. | Cases. | Deaths. |
| 24                      | 7           | —          | 31     | 18                                 | 13     | 31     | —                                       | 3                       | 2           | —          | 36     | 23      |
| 7                       | —           | —          | 7      | 2                                  | 5      | 7      | —                                       | —                       | —           | —          | 7      | 2       |
| 31                      | 7           | —          | 38     | 20                                 | 18     | 38     | —                                       | 3                       | 2           | —          | 43     | 25      |
| —                       | —           | —          | —      | —                                  | —      | —      | —                                       | —                       | —           | 1          | 1      | 1       |
| 1                       | —           | —          | 1      | —                                  | 1      | 1      | —                                       | —                       | —           | —          | 1      | —       |
| 244                     | 32          | 5          | 281    | 104                                | 194    | 298    | 1                                       | 35                      | 49          | 2          | 367    | 190     |
| 3                       | —           | —          | 3      | 1                                  | 2      | 3      | —                                       | —                       | —           | —          | 3      | 1       |
| 2                       | 1           | —          | 3      | 2                                  | 1      | 3      | —                                       | —                       | —           | —          | 3      | 2       |
| 5                       | 1           | —          | 6      | 3                                  | 3      | 6      | —                                       | —                       | —           | —          | 6      | 3       |
| 244                     | 32          | 5          | 281    | 104                                | 194    | 298    | 1                                       | 35                      | 49          | 2          | 367    | 190     |
| 5                       | 1           | —          | 6      | 3                                  | 3      | 6      | —                                       | —                       | —           | —          | 6      | 3       |
| 249                     | 33          | 5          | 287    | 107                                | 197    | 304    | 1                                       | 35                      | 49          | 2          | 373    | 193     |



TABLE IX.—COMPARISON OF THE NUMBER OF CASES AND DEATHS FROM PLAGUE DURING THE YEARS 1922, 1923 AND 1924.

| MONTHS.   |     | 1922  |                                 |                      |            |                          |   | 1923                            |                      |            |                          |   |                                | 1924                 |            |                          |  |  |  |
|-----------|-----|---|---------------------------------|----------------------|------------|--------------------------|---|---------------------------------|----------------------|------------|--------------------------|---|--------------------------------|----------------------|------------|--------------------------|--|--|--|
|           |     | Remaining<br>at end of<br>previous<br>year. | Admis-<br>sions to<br>Hospital. | Died in<br>Hospital. | Recovered. | Died out of<br>Hospital. | Remaining<br>at end of<br>previous<br>year. | Admis-<br>sions to<br>Hospital. | Died in<br>Hospital. | Recovered. | Died out of<br>Hospital. | Remaining<br>at end of<br>previous<br>year. | Admis-<br>sion to<br>Hospital. | Died in<br>Hospital. | Recovered. | Died out of<br>Hospital. |  |  |  |
| January   | ... | 10  | 9                               | 3                    | 12         | 3                        | 1   | 2                               | 1                    | 1          | 3                        | 18  | 15                             | 4                    | 26         | 8                        |  |  |  |
| February  | ... | —   | 16                              | 5                    | 5          | 7                        | —   | 10                              | 5                    | 4          | 2                        | —   | 7                              | 3                    | 6          | 9                        |  |  |  |
| March     | ... | —   | 16                              | 3                    | 13         | 5                        | —   | 118                             | 40                   | 12         | 31                       | —   | 7                              | 2                    | 2          | 3                        |  |  |  |
| April     | ... | —   | 35                              | 13                   | 16         | 4                        | —   | 257                             | 102                  | 137        | 80                       | —   | 103                            | 41                   | 20         | 19                       |  |  |  |
| May       | ... | —   | 50                              | 20                   | 31         | 10                       | —   | 306                             | 111                  | 174        | 90                       | —   | 66                             | 22                   | 78         | 19                       |  |  |  |
| June      | ... | —   | 108                             | 25                   | 46         | 23                       | —   | 170                             | 68                   | 153        | 38                       | —   | 54                             | 21                   | 35         | 8                        |  |  |  |
| July      | ... | —   | 90                              | 34                   | 85         | 22                       | —   | 141                             | 37                   | 120        | 19                       | —   | 16                             | 4                    | 19         | 7                        |  |  |  |
| August    | ... | —   | 20                              | 9                    | 31         | 10                       | —   | 60                              | 13                   | 70         | 7                        | —   | 6                              | 4                    | 4          | 3                        |  |  |  |
| September | ... | —   | 7                               | 3                    | 6          | 6                        | —   | 12                              | 6                    | 20         | 4                        | —   | 6                              | 1                    | 4          | —                        |  |  |  |
| October   | ... | —   | 15                              | 8                    | 6          | 1                        | —   | 49                              | 16                   | 21         | 10                       | —   | 1                              | —                    | —          | 2                        |  |  |  |
| November  | ... | —   | 21                              | 8                    | 12         | 2                        | —   | 28                              | 6                    | 20         | 7                        | —   | 1                              | —                    | 3          | —                        |  |  |  |
| December  | ... | —   | 3                               | —                    | 5          | 4                        | —   | 61                              | 15                   | 45         | 14                       | —   | 5                              | 5                    | —          | 8                        |  |  |  |
| TOTAL     |     | 10  | 390                             | 131                  | 268        | 97                       | 1   | 1214                            | 420                  | 777        | 305                      | 18  | 287                            | 107                  | 197        | 86                       |  |  |  |

|  |  |  |  |           |           |           |
|--|--|--|--|-----------|-----------|-----------|
| Percentage of Deaths occurring in Hospital out of total<br>number of Admissions to Hospital ... .. |  |  |  | 1922      | 1923      | 1924      |
|  |  |  |  | Per cent. | Per cent. | Per cent. |
|  |  |  |  | 33·58     | 43·59     | 37·24     |

**TABLE X.**

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**Monthly Incidence of Cases and Deaths from Plague During 1923.**



TABLE X.—MONTHLY INCIDENCE OF CASES

| GOVERNORATE OR PROVINCE.               | JANUARY. |         | FEBRUARY. |         | MARCH. |         | APRIL. |         | MAY.   |         |
|--|----------|---------|-----------|---------|--------|---------|--------|---------|--------|---------|
|  | Cases.   | Deaths. | Cases.    | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| <b>Lower Egypt.</b>                    |          |         |           |         |        |         |        |         |        |         |
| <i>Governorates:—</i>                  |          |         |           |         |        |         |        |         |        |         |
| Cairo ... ..                           | —        | —       | —         | —       | 1      | 1       | —      | —       | —      | —       |
| Alexandria ... ..                      | 1        | 1       | —         | —       | 1      | —       | 9      | 5       | 17     | 6       |
| Port Said ... ..                       | 1        | —       | —         | —       | 1      | 1       | 2      | —       | 13     | 6       |
| Suez ... ..                            | —        | —       | —         | —       | 2      | 2       | 4      | 1       | 3      | 3       |
| <i>Provinces:—</i>                     |          |         |           |         |        |         |        |         |        |         |
| Gharbiya ... ..                        | —        | —       | —         | —       | —      | —       | 2      | 1       | 2      | 1       |
| Daqahliya ... ..                       | —        | —       | —         | —       | —      | —       | —      | —       | —      | —       |
| Minûfiya ... ..                        | —        | —       | —         | —       | —      | —       | 10     | 3       | 46     | 15      |
| Qalyûbiya ... ..                       | —        | —       | —         | —       | —      | —       | 1      | 1       | —      | —       |
| <b>Upper Egypt.</b>                    |          |         |           |         |        |         |        |         |        |         |
| <i>Province:—</i>                      |          |         |           |         |        |         |        |         |        |         |
| Beni Suef ... ..                       | —        | —       | —         | —       | —      | —       | 8      | 6       | 10     | 2       |
| Faiyûm ... ..                          | —        | —       | —         | —       | 4      | 2       | 1      | —       | 19     | 3       |
| Minya ... ..                           | —        | —       | 1         | 1       | 1      | 1       | 13     | 7       | 65     | 29      |
| Asyût ... ..                           | 3        | 3       | 11        | 6       | 95     | 43      | 133    | 70      | 66     | 47      |
| Girga ... ..                           | —        | —       | —         | —       | 41     | 18      | 145    | 80      | 129    | 77      |
| Qena... ..                             | —        | —       | —         | —       | 3      | 3       | 9      | 8       | 23     | 9       |
| Gîza ... ..                            | —        | —       | —         | —       | —      | —       | —      | —       | 3      | 3       |
| GRAND TOTAL ... ..                     | 5        | 4       | 12        | 7       | 149    | 71      | 337    | 182     | 396    | 201     |
| Percentage to the Grand Total ...      | 0·32     | 0·55    | 0·78      | 0·96    | 9·8    | 9·79    | 22·18  | 25·1    | 26·06  | 27·7    |
| Total of Lower Egypt ...               | 2        | 1       | —         | —       | 5      | 4       | 28     | 11      | 81     | 31      |
| Percentage to Total of Lower Egypt ... | 0·35     | 0·48    | —         | —       | 0·89   | 1·94    | 5·0    | 5·33    | 14·49  | 15·4    |
| Total of Upper Egypt ...               | 3        | 3       | 12        | 7       | 144    | 67      | 309    | 171     | 315    | 170     |
| Percentage to Total of Upper Egypt ... | 0·31     | 0·57    | 1·25      | 1·34    | 15·0   | 12·9    | 32·18  | 32·94   | 32·81  | 32·73   |

AND DEATHS FROM PLAGUE DURING 1923.

| JUNE.  |         | JULY.  |         | AUGUST. |         | SEPTEMBER. |         | OCTOBER. |         | NOVEMBER. |         | DECEMBER. |         | TOTAL. |         |
|--------|---------|--------|---------|---------|---------|------------|---------|----------|---------|-----------|---------|-----------|---------|--------|---------|
| Cases. | Deaths. | Cases. | Deaths. | Cases.  | Deaths. | Cases.     | Deaths. | Cases.   | Deaths. | Cases.    | Deaths. | Cases.    | Deaths. | Cases. | Deaths. |
| —      | —       | —      | —       | —       | —       | —          | —       | —        | —       | —         | —       | 1         | 1       | 2      | 2       |
| 7      | 3       | 4      | 3       | 7       | 3       | 4          | 3       | 11       | 4       | 5         | 5       | 1         | —       | 67     | 33      |
| 8      | 5       | 17     | 9       | 6       | 5       | 3          | 2       | —        | —       | —         | —       | —         | —       | 51     | 28      |
| 3      | 1       | 1      | 1       | 9       | 3       | 1          | 2       | 8        | 4       | 9         | 4       | 7         | 3       | 47     | 24      |
| —      | —       | 10     | 5       | 2       | —       | 1          | 1       | 5        | 2       | —         | —       | 2         | —       | 24     | 10      |
| —      | —       | 1      | 1       | 1       | 1       | —          | —       | —        | —       | —         | —       | —         | —       | 2      | 2       |
| 70     | 29      | 64     | 23      | 5       | 2       | 4          | 1       | 21       | 4       | 17        | 1       | 55        | 19      | 292    | 97      |
| —      | —       | 43     | 1       | 23      | 4       | 1          | —       | 1        | 1       | —         | —       | 5         | 3       | 74     | 10      |
| 32     | 14      | —      | —       | 11      | —       | 1          | —       | —        | —       | 1         | —       | 1         | —       | 64     | 22      |
| 6      | 3       | 4      | 3       | —       | —       | —          | —       | —        | —       | —         | —       | —         | —       | 34     | 11      |
| 22     | 8       | 3      | 2       | —       | —       | —          | —       | 2        | —       | —         | —       | —         | —       | 107    | 48      |
| 37     | 26      | 12     | 7       | 1       | 1       | —          | —       | —        | —       | —         | —       | —         | —       | 358    | 203     |
| 19     | 15      | 1      | 1       | 2       | 1       | 1          | 1       | 1        | 1       | 1         | 1       | 2         | 2       | 342    | 197     |
| 4      | 2       | —      | —       | —       | —       | —          | —       | 10       | 10      | 2         | 2       | 1         | 1       | 52     | 35      |
| —      | —       | —      | —       | —       | —       | —          | —       | —        | —       | —         | —       | —         | —       | 3      | 3       |
| 208    | 106     | 160    | 56      | 67      | 20      | 16         | 10      | 59       | 26      | 35        | 13      | 75        | 29      | 1,519  | 725     |
| 13·59  | 14·62   | 10·53  | 7·72    | 4·41    | 2·75    | 1·05       | 1·37    | 3·88     | 3·58    | 2·3       | 1·79    | 4·93      | 4·0     | —      | —       |
| 88     | 38      | 140    | 43      | 53      | 18      | 14         | 9       | 46       | 15      | 31        | 10      | 71        | 26      | 559    | 206     |
| 15·74  | 18·44   | 25·04  | 20·87   | 9·48    | 8·73    | 2·5        | 4·36    | 8·22     | 7·28    | 5·56      | 4·85    | 12·7      | 12·62   | —      | —       |
| 120    | 68      | 20     | 13      | 14      | 2       | 2          | 1       | 13       | 11      | 4         | 3       | 4         | 3       | 960    | 519     |
| 12·5   | 13·1    | 2·08   | 2·52    | 1·45    | 0·38    | 0·2        | 0·19    | 1·38     | 12·11   | 0·41      | 0·57    | 0·4       | 0·57    | —      | —       |



TABLE X.—MONTHLY INCIDENCE OF CASES

| GOVERNORATE OR PROVINCE.               | JANUARY. |         | FEBRUARY. |         | MARCH. |         | APRIL. |         | MAY.   |         |
|--|----------|---------|-----------|---------|--------|---------|--------|---------|--------|---------|
|  | Cases.   | Deaths. | Cases.    | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| <b>Lower Egypt.</b>                    |          |         |           |         |        |         |        |         |        |         |
| <i>Governorates :—</i>                 |          |         |           |         |        |         |        |         |        |         |
| Alexandria ... ..                      | —        | —       | —         | —       | —      | —       | 1      | 1       | —      | —       |
| Port Said... ..                        | —        | —       | —         | —       | —      | —       | 1      | —       | 1      | 1       |
| Ismailia ... ..                        | —        | —       | —         | —       | —      | —       | —      | —       | —      | —       |
| Suez ... ..                            | 2        | 2       | 4         | 1       | —      | —       | 2      | 1       | 2      | 1       |
| <i>Provinces :—</i>                    |          |         |           |         |        |         |        |         |        |         |
| Beheira ... ..                         | —        | —       | —         | —       | —      | —       | —      | —       | —      | —       |
| Gharbiya ... ..                        | —        | —       | —         | —       | —      | —       | 1      | 1       | —      | —       |
| Minûfiya ... ..                        | 17       | 8       | 9         | 8       | 6      | 3       | 6      | 5       | 5      | 4       |
| Daqahliya ... ..                       | —        | —       | —         | —       | —      | —       | —      | —       | —      | —       |
| Sharqiya ... ..                        | 1        | 1       | —         | —       | —      | —       | —      | —       | —      | —       |
| Qalyûbiya ... ..                       | 1        | —       | —         | —       | —      | —       | —      | —       | 7      | 1       |
| <b>Upper Egypt.</b>                    |          |         |           |         |        |         |        |         |        |         |
| <i>Provinces :—</i>                    |          |         |           |         |        |         |        |         |        |         |
| Beni Souef ... ..                      | —        | —       | —         | —       | —      | —       | —      | —       | —      | —       |
| El Faiyûm ... ..                       | —        | —       | 1         | 1       | —      | —       | 39     | 6       | 36     | 14      |
| El Minya... ..                         | —        | —       | 1         | 1       | 3      | 2       | 2      | 2       | 17     | 9       |
| Asyût ... ..                           | —        | —       | —         | —       | —      | —       | 26     | 19      | 11     | 9       |
| Girga ... ..                           | 2        | 1       | 1         | 1       | 1      | —       | 3      | —       | 3      | 1       |
| Qena ... ..                            | —        | —       | —         | —       | —      | —       | 41     | 25      | 3      | 1       |
| GRAND TOTAL ... ..                     | 23       | 12      | 16        | 12      | 10     | 5       | 122    | 60      | 85     | 41      |
| Percentage to Grand Total ...          | 6·16     | 6·21    | 4·28      | 6·21    | 2·68   | 2·59    | 32·70  | 31·08   | 22·78  | 21·24   |
| Total of Lower Egypt ...               | 21       | 11      | 13        | 9       | 6      | 3       | 11     | 8       | 15     | 7       |
| Percentage to Total of Lower Egypt ... | 20·28    | 17·18   | 12·5      | 14·06   | 5·76   | 4·71    | 10·57  | 12·5    | 14·42  | 10·93   |
| Total of Upper Egypt ...               | 2        | 1       | 3         | 3       | 4      | 2       | 111    | 52      | 70     | 34      |
| Percentage to Total of Upper Egypt ... | 0·74     | 0·77    | 1·11      | 2·32    | 1·44   | 1·55    | 41·26  | 40·31   | 26·02  | 26·35   |

AND DEATHS FROM PLAGUE DURING 1924.

| JUNE.  |         | JULY.  |         | AUGUST. |         | SEPTEMBER. |         | OCTOBER.. |         | NOVEMBER. |         | DECEMBER. |         | TOTAL. |         |
|--------|---------|--------|---------|---------|---------|------------|---------|-----------|---------|-----------|---------|-----------|---------|--------|---------|
| Cases. | Deaths. | Cases. | Deaths. | Cases.  | Deaths. | Cases.     | Deaths. | Cases.    | Deaths. | Cases.    | Deaths. | Cases.    | Deaths. | Cases. | Deaths. |
| —      | —       | —      | —       | —       | —       | —          | —       | —         | —       | —         | —       | 1         | 1       | 2      | 2       |
| —      | —       | 1      | 1       | —       | 1       | —          | 1       | —         | —       | —         | —       | 2         | 2       | 8      | 4       |
| —      | —       | 1      | 1       | —       | —       | —          | —       | —         | —       | —         | —       | —         | —       | 1      | 1       |
| 1      | —       | 1      | —       | 3       | 3       | 1          | 1       | 1         | 1       | —         | —       | 3         | 3       | 20     | 13      |
| —      | —       | —      | —       | 1       | 1       | —          | —       | —         | —       | —         | —       | —         | —       | 1      | 1       |
| 1      | —       | —      | —       | 1       | 1       | 3          | —       | —         | —       | —         | —       | —         | —       | 6      | 2       |
| 6      | 4       | —      | —       | —       | —       | 1          | —       | —         | —       | —         | —       | 2         | 3       | 52     | 35      |
| —      | —       | —      | —       | —       | —       | —          | —       | 1         | 1       | —         | —       | —         | —       | 1      | 1       |
| —      | —       | —      | —       | —       | —       | —          | —       | —         | —       | —         | —       | —         | —       | 1      | 1       |
| —      | —       | —      | —       | —       | —       | —          | —       | —         | —       | —         | —       | 4         | 3       | 12     | 4       |
| 3      | 3       | —      | —       | —       | —       | —          | —       | —         | —       | —         | —       | 1         | 1       | 4      | 4       |
| 29     | 11      | 1      | 1       | —       | —       | —          | —       | —         | —       | —         | —       | —         | —       | 106    | 33      |
| 19     | 8       | 17     | 6       | 1       | —       | —          | —       | —         | —       | —         | —       | —         | —       | 60     | 28      |
| 3      | 3       | 2      | 2       | 2       | 2       | —          | —       | —         | —       | —         | —       | —         | —       | 44     | 53      |
| —      | —       | —      | —       | —       | —       | —          | —       | —         | —       | —         | —       | —         | —       | 10     | 3       |
| —      | —       | —      | —       | —       | —       | —          | —       | —         | —       | 1         | —       | —         | —       | 45     | 26      |
| 62     | 29      | 23     | 11      | 9       | 7       | 6          | 1       | 3         | 2       | 1         | —       | 13        | 13      | 373    | 193     |
| 16·62  | 15·02   | 6·16   | 5·69    | 2·41    | 3·62    | 1·60       | 0·51    | 0·80      | 1·03    | 0·26      | —       | 3·48      | 6·73    | —      | —       |
| 8      | 4       | 3      | 2       | 6       | 5       | 6          | 1       | 3         | 2       | —         | —       | 12        | 12      | 104    | 64      |
| 7·68   | 6·25    | 2·88   | 3·12    | 5·76    | 7·81    | 5·76       | 1·56    | 2·88      | 3·12    | —         | —       | 11·53     | 18·75   | —      | —       |
| 54     | 25      | 20     | 9       | 3       | 2       | —          | —       | —         | —       | 1         | —       | 1         | 1       | 269    | 129     |
| 20·07  | 19·37   | 7·74   | 6·97    | 1·11    | 1·55    | —          | —       | —         | —       | 0·33      | —       | 0·33      | 0·74    | —      | —       |



*Measles.*

3,606 cases of measles were recorded in 1924 as compared with 17,871 in 1923. The number of deaths amounted to 1,750 as against 7,673 in 1923.

The following table XI.—shows the general statistics of measles during the last ten years :—

| Year. | Number of cases. | Number of deaths. |
|-------|------------------|-------------------|
| 1915  | 4,394            | 1,754             |
| 1916  | 7,746            | 3,614             |
| 1917  | 7,416            | 3,643             |
| 1918  | 3,684            | 1,757             |
| 1919  | 3,483            | 1,643             |
| 1920  | 9,225            | 3,749             |
| 1921  | 3,049            | 1,254             |
| 1922  | 5,582            | 2,570             |
| 1923  | 17,871           | 7,673             |
| 1924  | 3,606            | 1,750             |

It is very difficult for Sanitary Authorities to exercise efficient control over the notification of cases of this disease. For this reason, the Health Departments of some countries do not include measles in the schedule of notifiable diseases.

The difficulty experienced in the control of this disease lies in the fact that it is highly infectious in the pre-eruptive stage *i.e.* before the diagnosis is established.

It is necessary to isolate patients in their own homes if possible and to impress upon the patient's parents or guardian the precautionary measures to be adopted for preventing the spread of the disease.

*Diphtheria.*

The number of cases of Diphtheria was 1,545 in 1924 as compared with 1,137 in 1923.

The incidence of the disease in various parts of the country was as follows :—

735 in Cairo.  
150 in Alexandria.  
75 in Port Said.  
33 in Damietta.  
10 in Suez.  
12 in Ismaïlia.

The remaining cases occurred in the Mudîrîyas.

*Schick Test.*

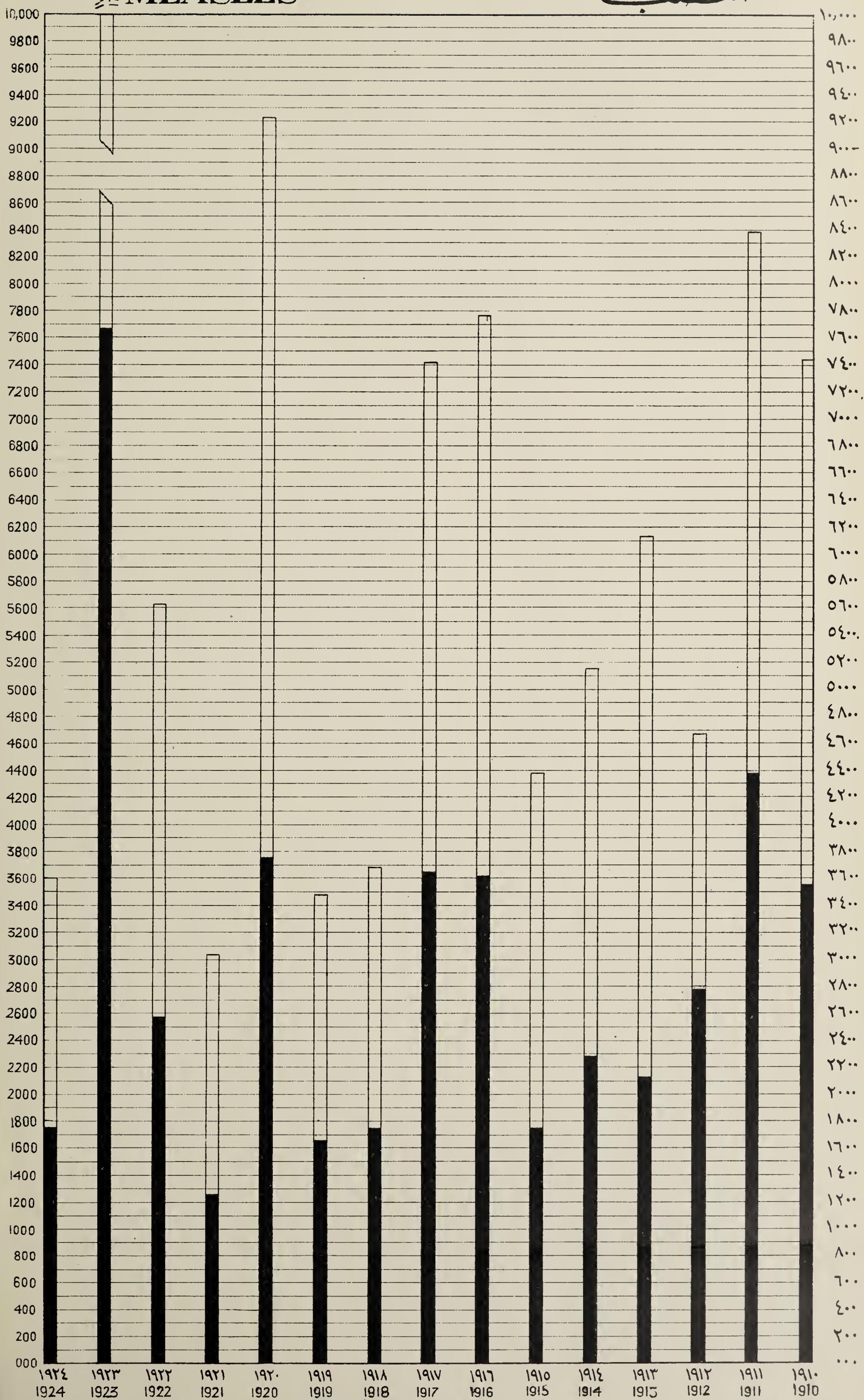
This test was performed at Kasr el 'Aini Hospital on thirty children of the foundlings Asylum, whose ages varied between 6 and 12 months. The result was positive in the case of three children and negative for the remainder. Each one was inoculated with the preventive serum.

As some of the children died in the normal course of events, and others were adopted and lost sight of within the six months following the test, the Department was unable to complete its observations.

It was impossible to keep the vaccine for a sufficient period ; it was also observed that it deteriorated during the period elapsing between its issue and receipt ; the Department therefore, decided to postpone this test until the Laboratories were in a position to produce the various kinds of sera and vaccines.

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١٧٨٧١  
MEASLES

الحصبة

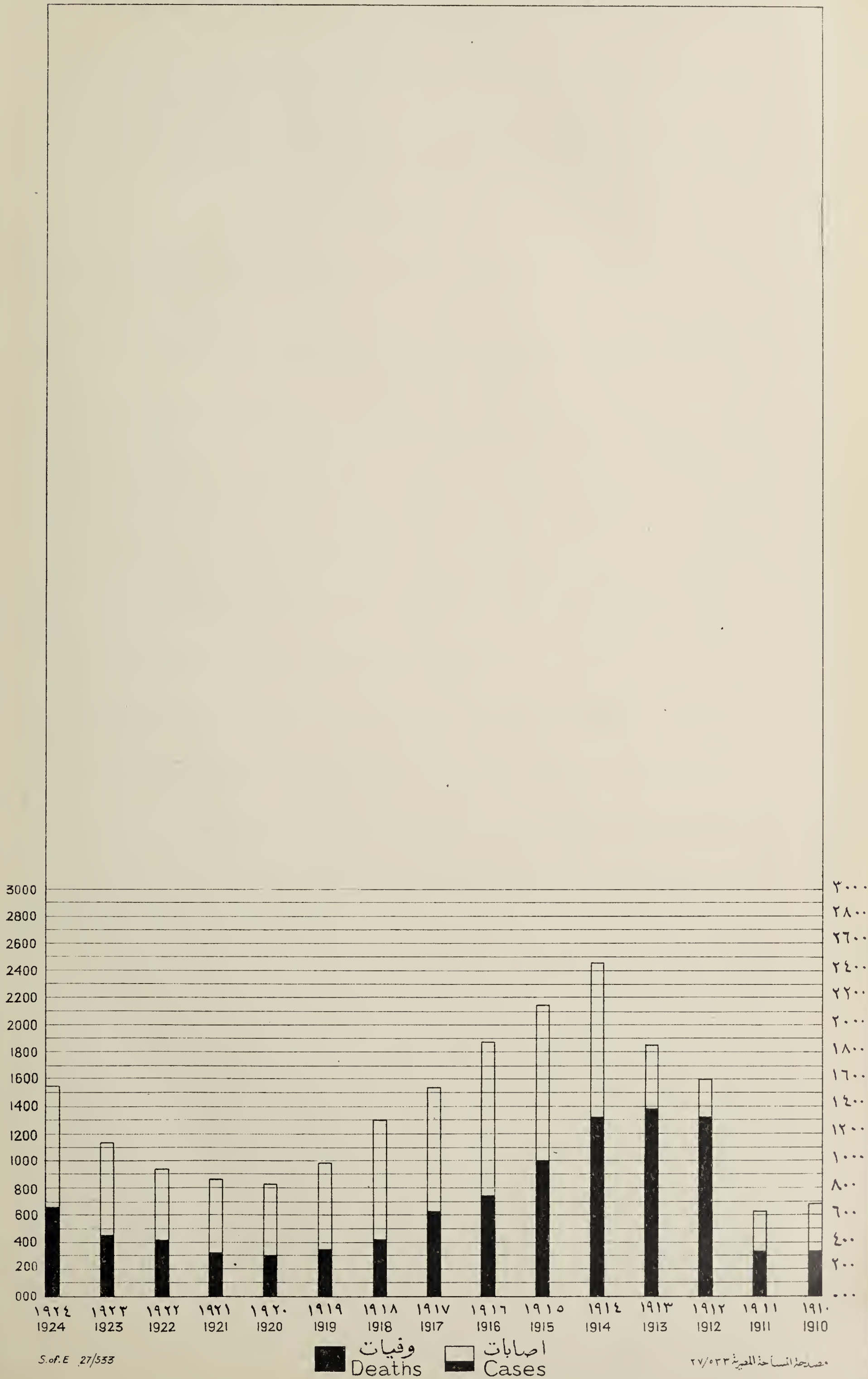






# DIPHTHERIA

# الدفتريا







### *Influenza.*

The number of Influenza cases notified in 1924 was 2,764 as compared with 1,792 cases which occurred in 1923.

Though the notification of this disease is compulsory yet it is only notified when it lasts a considerable time or if it is accompanied by complications. Thus the number of cases notified cannot well be relied upon for giving a true estimate of the incidence of the disease; it can only be considered as an approximate estimate of the total number of cases.

### *Mulids.*

The Department gave its opinion regarding the holding of 147 Mulids, the period of each varying between 3 and 21 days.

### **Lectures given to Disinfectors staff for the purpose of Explaining how to carry out their duties.**

The Department has noticed that some disinfectors staff and disinfection Rayesses in certain Mudîrîyas are not very vonversant with the prophylactic measures which should be taken during epidemics. This fact is due to insufficient study of the Hand-book which the Department distributed to each one of them and in which these measures are dealt with.

The aim which the Department has in view, for combating these diseases, cannot be realised unless the disinfecting staff become fully conversant with all the measures which should be carried out in the event of an epidemic.

As the failure to adopt effective measures to teach and to train this staff efficiently will nullify any action taken to prevent the spread of infectious diseases at the proper time and will in addition render the high cost of such measures fruitless, the Department has decided, that an Inspector of Epidemics should give monthly lectures to disinfectors and Raises of disinfection.

Three teaching centres were selected for this purpose :—

1. *Asyût*.—For all disinfectors and raises of disinfection in the Mudîrîyas of Minya, Asyût, Girga, and Qena.

2. *Cairo*.—For all disinfectors and raises of disinfection in Cairo, Port Said, and Suez Governorates, Gîza, Faiyûm, and Beni Suef Provinces.

3. *Tanta*.—For all disinfectors and raises of disinfection of all Mudîrîyas of Lower Egypt. These lectures commenced in February, and ended in June 1924.

An Examination was held in October at the above-mentioned centres and its result was very satisfactory.







PROPAGANDA OFFICE.

In view of the various difficulties experienced by the Health Staff in combating Infectious diseases owing to the public being ignorant of the value of the measures to be taken in this connection, and due also to the practice of the inhabitants of evading these measures or opposing them, the Department deemed it necessary to establish a Propaganda Office for the publication of sanitary precautions to be taken among all classes of the population.

The following is the work performed by this office during the year :—

I.—The preparation of illustrated posters and small pamphlets dealing with the following subjects :—

1. The care which should be taken of the cleanliness of the body ; the diseases which may follow neglect of this precaution.
2. Elementary instruction with regard to infectious diseases and prophylactic measures in connection with them.
3. Preventive measures against the infection of Ankylostoma and Bilharzia.
4. The methods of conveyance and prevention of malaria.
5. The protection of water supplies.
6. Advice to the people to use latrines instead of urinating and defaecating in the roads, fields, and water channels.
7. Advice to mothers on the feeding of young children and nursery hygiene.
8. The careful selection of habitations with sufficient light and ventilation.

II.—The compiling of a handbook on Hygiene and the preventive measures to be employed against infectious diseases, this book will be written in very simple language and used in preliminary and Primary Schools. Kuttabs and other Primary Institutions throughout the country. It will be furnished with illustrations and charts for the explanation of the subject matter.

It will also contain Koranic Versets, Prophetic and other Quotations from the Holy Books in addition to proverbial and public sayings in connection with the subjects treated.

III.—The demonstration of important subjects to the Public by means of the Cinematograph.

The Propaganda Office was attached to the Epidemic Section and placed in charge of a Medical Officer of the staff of this Section.

This Office requested the Public Health Departments of certain Foreign Countries, which depend upon propaganda measures for Public Health reform, to furnish it with printed pamphlets, pictures, and any information which they might have in this connection, for its guidance ; appropriate subjects for Egypt were then selected from the material supplied.

The U.S.A. have been kind enough to send a considerable number of printed pamphlets and pictures in connection with Ankylostoma, skin and infectious diseases, as well as printed matter illustrating the dangers of inhaling impure air, the protection of drinking water supplies, athletics, the care of pupils in and out of school, the upbringing of children etc., etc.

The Office now possesses a good collection of pictures, maps, and books for that purpose.

Further, the Epidemic Section of the Dept. has asked all M.Os. and P.M.Os. and Directors of Hospitals as well as the Senior Medical Practitioners of the country, to furnish the Department with their views as to the best and most effective methods to be adopted for attaining the objects for which the Office was established ; many proposals were received from them in reply.

After due consideration of the views expressed by these gentlemen, and the methods adopted in America, it was decided to make use of the Cinema and the magic lantern. The Department then obtained films showing how Ankylostoma infection is conveyed, this disease being the most wide-spread in Egypt ; the films show its effect, also upon the health of the population and how it is possible to prevent it. The Department has also obtained a film for Malaria showing the mode of infection, methods of treatment and the prophylactic measures necessary to be carried out.



The Department intends to enlarge the scope of this Office in order to attain the object in view as soon as possible.

The work of this Office is at present confined to Propaganda work at the outbreak of infectious disease and the dangers attending such disease ; printed instructions as to the taking of prophylactic measures against every kind of infectious disease are distributed ; these instructions were printed in different languages.

A pamphlet On Ankylostoma was printed, and the printing of another on Malaria will soon be completed ; both are written in simple language so that they can be easily understood by the least educated.

#### PASSENGERS AND IMMIGRANT CONTROL.

54,945 passengers disembarked at Egyptian Ports from countries infected with Cholera, or suspected to be infected, during 1924. Their addresses were recorded in order that they might be medically controlled. 54,737 (*i.e.* 99·7 per cent) were subsequently traced.

The control of passengers returning to Egypt via Kantara has been carried on during the year. The number of persons arriving at Kantara was 26,606, 26,163 or 98 per cent of whom were traced.

The following tables give full statistical details of Passenger Control :—

##### *Pilgrims.*

The number of pilgrims who proceeded from Egypt to the Hedjaz during the year was 8,164, classified as follows :—

|                                  |
|----------------------------------|
| 6,629 with Pilgrim Passports.    |
| 1,037 with Commercial Passports. |
| 498 the Mahmal Escort.           |
| 8,164                            |

All were vaccinated against Cholera and Small-pox previous to their departure.

The following table XIII.—shows the number of pilgrims who proceeded to the Hedjaz annually during the last nine years :—

| Year. | Number<br>of Pilgrims. |
|-------|------------------------|
| 1916  | 1,076                  |
| 1917  | 281                    |
| 1918  | 464                    |
| 1919  | 444                    |
| 1920  | 1,652                  |
| 1921  | 2,959                  |
| 1922  | 6,132                  |
| 1923  | 5,458                  |
| 1924  | 8,164                  |

3,916 foreign pilgrims passed through Egypt on their way to the Hedjaz embarking at Port Tewfik for this purpose. Their nationality is shown below :—

| Numbers. | Nationality.    |
|----------|-----------------|
| 219      | Turks.          |
| 242      | Persians.       |
| 1,855    | British.        |
| 3        | Russians.       |
| 1,312    | French.         |
| 100      | From Hedgaz.    |
| 16       | Dutch.          |
| 155      | Mesopotamians.  |
| 14       | Afganistanians. |
| 3,916    |                 |

The first ship conveying Egyptian Pilgrims sailed on June 16, 1924.

The first batch of pilgrims arrived at Suez from Jeddah on July 26, 1924.

The following table XIV.—shows the number of ships which returned to Egypt conveying Egyptian and Foreign pilgrims, and also the places where they were quarantined before they were allowed to enter the country :—

| Name of ship.      | Date of arrival. | Egyptian Pilgrims. | Foreign Pilgrims. | Total. | Place of Quarantine. |
|--------------------|------------------|--------------------|-------------------|--------|----------------------|
| Kalyâri ... ..     | July 26          | 639                | —                 | 639    | Tor                  |
| Mansûra ... ..     | July 27          | 180                | 183               | 363    | "                    |
| Kalyâri ... ..     | July 28          | 689                | —                 | 689    | "                    |
| Kalyâri ... ..     | July 30          | 609                | —                 | 609    | "                    |
| Mansûra ... ..     | July 30          | 264                | 226               | 490    | "                    |
| Amazonia ... ..    | July 31          | 10                 | 738               | 748    | "                    |
| Egypt ... ..       | July 31          | 7                  | —                 | 7      | "                    |
| Ateroria ... ..    | August 2         | 542                | —                 | 542    | "                    |
| Mansûra ... ..     | August 2         | 144                | 217               | 361    | "                    |
| Rawda ... ..       | August 2         | 88                 | 296               | 384    | "                    |
| Pelgrano ... ..    | August 6         | 41                 | 496               | 537    | "                    |
| Qena ... ..        | August 7         | 212                | 366               | 578    | "                    |
| Brinkious ... ..   | August 7         | —                  | 14                | 14     | "                    |
| Kalyâri ... ..     | August 9         | 659                | 1                 | 660    | "                    |
| Kalyâri ... ..     | August 11        | 669                | —                 | 669    | "                    |
| Kalyâri ... ..     | August 13        | 642                | —                 | 642    | "                    |
| Kalyâri ... ..     | August 15        | 498                | —                 | 498    | "                    |
| Riedmont ... ..    | August 16        | 847                | —                 | 847    | "                    |
| Kalyâri .. ...     | August 17        | 514                | —                 | 514    | "                    |
| Mansûra ... ..     | August 17        | 49                 | 174               | 223    | "                    |
| Kalyâri ... ..     | August 20        | 526                | —                 | 526    | "                    |
| Ateroria ... ..    | August 27        | 289                | 60                | 349    | "                    |
| El Borollos ... .. | August 27        | 16                 | 4                 | 20     | "                    |
| Mansûra ... ..     | September 1      | 1                  | 47                | 48     | Moses Spring.        |
| Qena ... ..        | September 16     | 3                  | 1                 | 4      | "                    |
| Mosawwa ... ..     | September 17     | 1                  | 9                 | 10     | "                    |
| Asmara ... ..      | September 25     | —                  | 3                 | 3      | "                    |
| Mansûra ... ..     | September 29     | 10                 | 22                | 32     | "                    |
| Mosawwa ... ..     | October 1        | 3                  | 3                 | 6      | "                    |
| By land... ..      | October 4        | —                  | 1                 | 1      | "                    |
| Burullos ... ..    | October 5        | 31                 | 8                 | 39     | "                    |
| Mansûra ... ..     | October 19       | 1                  | —                 | 1      | "                    |
| By land... ..      | October 20       | —                  | 2                 | 2      | Shatt                |
| Argayel... ..      | October 26       | —                  | 2                 | 2      | "                    |
| By land... ..      | October 16       | —                  | 2                 | 2      | "                    |
| Unknown ... ..     |                  | 1                  | —                 | 1      |                      |
| Argayel... ..      | December 31      | —                  | 3                 | 3      | "                    |
|                    |                  | 8,185              | 2,878             | 11,063 |                      |

375 pilgrims returned to Egypt via Kantara. The following table shows the number of Egyptians and Foreigners respectively among this number :—

|                    | Pilgrims arriving by train. | Pilgrims arriving by Caravan Routes. | TOTAL. |
|--------------------|-----------------------------|--------------------------------------|--------|
| Egyptians ... ..   | 116                         | 1                                    | 117    |
| Foreigners ... ..  | 237                         | 21                                   | 258    |
| GRAND TOTAL ... .. | 353                         | 22                                   | 375    |



# THE RESPECTIVE NATIONALITY OF PILGRIMS.

The nationality of the pilgrims returning via Suez is as follows :—

| Number of Pilgrims. | Country of Origin.  |
|---------------------|---------------------|
| 17                  | Hedjaz.             |
| 1582                | Palestine.          |
| 478                 | Syria.              |
| 82                  | Oman.               |
| 149                 | Irâq.               |
| 188                 | Persia.             |
| 4                   | Afgânistân.         |
| 197                 | India.              |
| 35                  | Jâva.               |
| 34                  | Turkey.             |
| 9                   | Bulgaria.           |
| 14                  | Serbia.             |
| 12                  | Mûrish.             |
| 5                   | Tripoli.            |
| 5                   | Tûnis.              |
| 20                  | Algeria.            |
| 19                  | Morocco.            |
| 1                   | Fez.                |
| 1                   | Soumali lands.      |
| 1                   | Seneghal (British). |
| 7                   | Seneghal (French).  |
| 2                   | Nigeria             |
| 5                   | Lagos.              |
| 1                   | Liberia.            |
| 2,878               |                     |

The Nationality of the Pilgrims Returning Via Hedjazis as follows :—

| Number of Pilgrims returning by Train. | Number of Pilgrims returning by Caravan Routes. | Nationality.   |
|--|---|----------------|
| 183                                    | 4   | Indians.       |
| 8                                      | —   | Syrians.       |
| 14                                     | —   | Seneghals.     |
| 2                                      | —   | Nigerians.     |
| 6                                      | 4   | From Jawa.     |
| 6                                      | 8   | Moorish.       |
| 1                                      | 4   | Yemens.        |
| 1                                      | —   | From Zinzibâr. |
| 2                                      | —   | Turks.         |
| 14                                     | —   | From Hedjaz.   |
| —                                      | 1   | Sudanese.      |
| 237                                    | 21  |                |

The control of the Egyptian Pilgrims was very satisfactory and very complete.

360 pilgrims and 15 persons of the Mahmal Escort were suspected of infectious diseases and isolated ; it was subsequently proved that they were free from infectious disease. 11 pilgrims died after arrival home ; the necessary measures were taken in accordance with instructions issued by the Department.

From particulars shown in the preceeding tables, it may be noticed that the number of Egyptian pilgrims who returned to Egypt was 8,302 ; of these 8,185 returned via Port Tewfik and 117 via Kantara. The number of pilgrims who returned to Egypt is seen to be greater than the number who left ; this is due to the return of those pilgrims who left in 1923 with Commercial Passports ; in addition to these, other pilgrims who proceeded to the Hedjaz in previous years and had settled there, returned this year owing to military operations in that country.

The Department was informed of the death of 119 pilgrims in the Hedjaz, but no information was received as to the out-break of any infectious disease there. Every effort was, as usual, made by the Department to trace all Egyptian pilgrims returning to this country and to observe them carefully. A specimen of the fæces of every case showing enteric symptoms was carefully examined.

El Tor Lazaret was opened on July 23, 1924, and closed on August 26, 1924. After this date, the Quarantine Department put into quarantine at Moses Springs Pilgrims proceeding to Suez ; from October 20, 1924, they were quarantined at Shatt.

Foreign Pilgrims, on their arrival at Suez or Kantara, were sent with a special agent of the Department of the Port of Embarkation where they were brought to the Public Health Office ; here they were observed before proceeding abroad.

#### THE HEDJAZ EMIGRANTS.

In view of the war in progress in Arabia, at this time, a great number of the inhabitants began to emigrate to Egypt. It was feared that Cholera might be brought to this country by these people as it was rumoured that the disease had occurred among the fighting troops ; the Quarantine Board was, therefore, requested by the Department to take the necessary measures to ensure the safety of Egypt against infection.

The Quarantine Board issued an order preventing the landing of Arabian emigrants in Egypt ; they were allowed, however, to land at Sawâkin after ten days' Quarantine.

The Department came to an agreement with the Ministry of the Interior to the effect that all emigrants before being allowed to land in Egypt must comply with the following regulations :—

1. First and second class passengers who are in good health and are able to furnish satisfactory addresses are allowed, when these have been recorded by the Port Medical Officer, to enter the country where they are carefully observed for a period of 15 days.

II.—Third class passengers must undergo the following routine :—

1. Be carefully examined on board by the Quarantine agents.
2. Their clothes and effects must be disinfected by the Quarantine Department.
3. Their bodies must be deloused by the Quarantine Department.
4. They should be vaccinated against small-pox by the Department of Public Health.
5. They must be isolated at the Fever Hospital, Suez, and their excreta examined for cholera, if necessary, by the Department of Public Health.

In accordance with a proposal of the Department of Public Health, the Quarantine Board issued instructions for the observation of the Western shores and frontiers of the Red Sea, by the Frontiers Districts and Coast-Guards Administrations ; the object of this precaution was to intercept any person found and to conduct him to the nearest Medical Officer, who would place him under observation for 10 days. It was also decided to continue the measures taken in the Sinai Peninsula until the end of December 1924.

Furthermore, this Department issued instructions to Inspectors and Medical Officers to be constantly on the alert in order to accomplish this object.

#### EL 'ARÎSH LAZARET.

The Quarantine Board was requested to inform this Department what measures they considered necessary to be taken in case of an outbreak of cholera in Syria or Palestine, as regards Passengers proceeding to Egypt from the Eastern Frontiers. As a result of this request, it was agreed to erect a lazaret at El 'Arish for this purpose. It was decided also to nominate a Committee for the selection of the site and to deal with the question from every point of view. The Board asked the Government to furnish the necessary funds, and the work of establishing the Lazaret, which will have accommodation for a very large number of passengers, has now begun.



The Department proposed the creation of an additional Sanitary Station on the Egyptian Frontiers at Rafà.

El 'Arish was preferred to Rafà, for the establishment of a Lazaret, for the following reasons :—

1. The Topographical position of Rafà does not permit of sufficient control being exercised owing to the fact that the inhabitants, engaged in Agricultural pursuits on either side of the Frontier, are in constant touch with one another.
2. A single road leads to Rafà.
3. El 'Arish is a central place through which most of the routes between the Eastern Frontiers and the Canal pass.

**STATISTICS OF SHIPS, PASSENGERS AND CREWS  
ENTERING DAMIETTA DURING 1924.**

|                 |     |       |   |
|-----------------|-----|-------|---|
| Number of Ships | ... | 285   |   |
| „ „ Crews       | ... | 1,732 | { All were traced<br>and found to be<br>in good health. |
| „ „ Passengers  |     | 24    |   |

TABLE XV.—DETAILED STATISTICS OF PASSENGERS WHO LANDED AT  
PORT SAID FROM CHOLERA INFECTED COUNTRIES DURING 1924.

| DESTINATION.      | 1ST. AND 2ND. CLASSES. |             |                       | 3RD. CLASS. |             |                       | Total. |
|-------------------|------------------------|-------------|-----------------------|-------------|-------------|-----------------------|--------|
|                   | Traced.                | Not traced. | Percentage of traced. | Traced.     | Not traced. | Percentage of traced. |        |
| Cairo ... ..      | 1,477                  | 61          | 96·04                 | 1,089       | 14          | 98·73                 | 2,641  |
| Alexandria ... .. | 211                    | 28          | 88·28                 | 131         | 17          | 88·51                 | 387    |
| Interior ... ..   | 355                    | —           | 100·00                | 1,593       | 2           | 99·87                 | 1,950  |
| Port Said ... ..  | 469                    | 4           | 99·6                  | 6,618       | 1           | 99·98                 | 7,392  |
| TOTAL ... ..      | 2,812                  | 93          | 96·81                 | 9,431       | 34          | 99·53                 | 12,370 |

|                                 |     |        |
|---------------------------------|-----|--------|
| Total Passengers traced...      | ... | 12,243 |
| Total Passengers not traced ... |     | 127    |
| Percentage of Total passengers  |     |        |
| traced ... ..                   |     | 99·98  |
| Total Number of Ships... ..     |     | 867    |



TABLE XVI.—TOTAL NUMBER OF PASSENGERS ENTERING EGYPT THROUGH KANTARA.

| MONTHS.   | Cairo.  |             |        | Alexandria. |             |        | Canal.  |             |        | Interior |             |        | Total. |     |        | Percentage Traced. | 1st. Class Passengers. | Caravan Routes Passengers. |
|-----------|---------|-------------|--------|-------------|-------------|--------|---------|-------------|--------|----------|-------------|--------|--------|-----|--------|--------------------|------------------------|----------------------------|
|           | Traced. | Not Traced. | Total. | Traced.     | Not Traced. | Total. | Traced. | Not Traced. | Total. | Traced.  | Not Traced. | Total. |        |     |        |                    |                        |                            |
|           |         |             |        |             |             |        |         |             |        |          |             |        |        |     |        |                    |                        |                            |
| January   | 542     | 48          | 590    | 374         | 12          | 386    | 250     | 7           | 257    | 93       | 6           | 99     | 1,259  | 73  | 1,332  | 94.6               | 515                    | 39                         |
| February  | 521     | 44          | 565    | 326         | 16          | 342    | 192     | 8           | 200    | 71       | 2           | 73     | 1,110  | 70  | 1,180  | 94.1               | 936                    | 43                         |
| March     | 663     | 16          | 679    | 427         | 7           | 434    | 234     | 1           | 235    | 115      | 1           | 116    | 1,439  | 25  | 1,464  | 98.3               | 914                    | 13                         |
| April     | 1,193   | 10          | 1,203  | 546         | 1           | 547    | 324     | —           | 324    | 1,371    | 2           | 1,373  | 1,434  | 13  | 3,447  | 99.6               | 713                    | 11                         |
| May       | 772     | 31          | 803    | 774         | 2           | 776    | 655     | 6           | 661    | 177      | 4           | 181    | 2,378  | 43  | 2,421  | 98.3               | 544                    | 52                         |
| June      | 585     | 8           | 593    | 437         | 3           | 440    | 2,062   | 1           | 2,063  | 121      | 3           | 124    | 3,205  | 15  | 3,220  | 99.5               | 287                    | 17                         |
| July      | 651     | 13          | 664    | 523         | 15          | 538    | 463     | 6           | 469    | 148      | 4           | 152    | 1,785  | 38  | 1,823  | 98.0               | 352                    | 45                         |
| August    | 927     | 10          | 937    | 521         | 5           | 526    | 582     | 12          | 594    | 176      | 7           | 183    | 2,206  | 34  | 2,240  | 98.5               | 297                    | 14                         |
| September | 1,473   | 24          | 1,497  | 524         | 23          | 547    | 991     | 4           | 995    | 232      | —           | 232    | 3,220  | 51  | 3,271  | 98.5               | 415                    | 78                         |
| October   | 1,290   | 12          | 1,302  | 489         | 4           | 493    | 719     | 8           | 727    | 223      | 1           | 224    | 2,721  | 25  | 2,746  | 99.1               | 389                    | 8                          |
| November  | 818     | 22          | 840    | 357         | 7           | 364    | 566     | 5           | 571    | 132      | —           | 132    | 1,873  | 34  | 1,907  | 98.3               | 430                    | 37                         |
| December  | 662     | 11          | 673    | 344         | 8           | 352    | 456     | 3           | 459    | 71       | —           | 71     | 1,533  | 22  | 1,555  | 98.6               | 380                    | 15                         |
| TOTAL     | 10,097  | 249         | 10,346 | 5,642       | 103         | 5,745  | 7,494   | 61          | 7,555  | 2,930    | 30          | 2,960  | 26,163 | 443 | 26,606 | 98.4               | 6,172                  | 372                        |

TABLE XVII.—ANNUAL STATISTICS FOR 1924 OF PASSENGERS WHO ENTERED EGYPT THROUGH PORT-TEWFIK COMING FROM CHOLERA-INFECTED COUNTRIES.

| MONTHS.    |     |     |     |     |     |     |     |     |     | Number<br>of<br>Ships. | Cairo.  |                |        | Alexandria. |                |        | Canal.  |                |        | Interior. |                |        | Total. |      |        | Percentage<br>Traced. |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|---------|----------------|--------|-------------|----------------|--------|---------|----------------|--------|-----------|----------------|--------|--------|------|--------|-----------------------|
|            |     |     |     |     |     |     |     |     |     |                        | Traced. | Not<br>Traced. | Total. | Traced.     | Not<br>Traced. | Total. | Traced. | Not<br>Traced. | Total. | Traced.   | Not<br>Traced. | Total. |        |      |        |                       |
| January    | ... | ... | ... | ... | ... | ... | ... | ... | ... | 44                     | 30      | 1              | 31     | 46          | —              | 46     | 1,260   | —              | 1,260  | 3         | —              | 3      | 1,339  | 1    | 1,340  | 99·93                 |
| February   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 44                     | 67      | —              | 67     | 32          | —              | 32     | 452     | —              | 452    | 1         | —              | 1      | 552    | —    | 552    | 100                   |
| March...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 53                     | 1,019   | —              | 1,019  | 80          | —              | 80     | 633     | —              | 633    | 1         | —              | 1      | 1,733  | —    | 1,733  | 100                   |
| April      | ... | ... | ... | ... | ... | ... | ... | ... | ... | 52                     | 867     | —              | 867    | 56          | —              | 56     | 646     | —              | 646    | 7         | 1              | 8      | 1,576  | 1    | 1,577  | 99·94                 |
| May        | ... | ... | ... | ... | ... | ... | ... | ... | ... | 42                     | 132     | 1              | 133    | 35          | —              | 35     | 690     | 1              | 691    | 13        | —              | 13     | 870    | 2    | 872    | 99·77                 |
| June       | ... | ... | ... | ... | ... | ... | ... | ... | ... | 48                     | 44      | —              | 44     | 98          | —              | 98     | 659     | 1              | 660    | 12        | —              | 12     | 813    | 1    | 814    | 99·88                 |
| July       | ... | ... | ... | ... | ... | ... | ... | ... | ... | 36                     | 157     | —              | 157    | 47          | —              | 47     | 242     | —              | 242    | —         | —              | —      | 446    | —    | 446    | 100                   |
| August     | ... | ... | ... | ... | ... | ... | ... | ... | ... | 39                     | 81      | 1              | 82     | 162         | —              | 162    | 325     | —              | 325    | 149       | —              | 149    | 717    | 1    | 718    | 99·86                 |
| September  | ... | ... | ... | ... | ... | ... | ... | ... | ... | 36                     | 104     | 1              | 105    | 61          | —              | 61     | 364     | —              | 364    | 11        | —              | 11     | 540    | 1    | 541    | 99·81                 |
| October    | ... | ... | ... | ... | ... | ... | ... | ... | ... | 39                     | 84      | —              | 84     | 90          | —              | 90     | 473     | —              | 473    | 14        | —              | 14     | 661    | —    | 661    | 100                   |
| November   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 42                     | 139     | —              | 139    | 46          | —              | 46     | 348     | 1              | 349    | 33        | —              | 33     | 566    | 1    | 567    | 99·82                 |
| December   | ... | ... | ... | ... | ... | ... | ... | ... | ... | 47                     | 95      | 1              | 96     | 31          | 4              | 35     | 242     | 3              | 245    | 2         | —              | 2      | 370    | 8    | 378    | 97·88                 |
| TOTAL      |     |     |     |     |     |     |     |     |     | 552                    | 2,819   | 5              | 2,824  | 784         | 4              | 788    | 6,334   | 6              | 6,340  | 246       | 1              | 247    | 10,183 | 16   | 10,199 |                       |
| PERCENTAGE |     |     |     |     |     |     |     |     |     |                        | 99·82   | 0·18           | —      | 99·49       | 0·51           | —      | 99·91   | 0·09           | —      | 99·6      | 0·4            | —      | 99·84  | 0·16 | —      | 99·62                 |



TABLE XVIII.—ANNUAL STATISTICS FOR 1924 OF PASSENGERS WHO LANDED

| MONTHS.          | Passengers for Cairo.  |             |                  |             |             |                  | Passengers for Interior. |             |                  |             |             |                  | Passengers remaining  |             |                  |
|------------------|------------------------|-------------|------------------|-------------|-------------|------------------|--------------------------|-------------|------------------|-------------|-------------|------------------|-----------------------|-------------|------------------|
|                  | 1st. and 2nd. Classes. |             |                  | 3rd. Class. |             |                  | 1st. and 2nd. Classes.   |             |                  | 3rd. Class. |             |                  | 1st. and 2nd. Clases. |             |                  |
|                  | Traced.                | Not Traced. | Percent. Traced. | Traced      | Not Traced. | Percent. Traced. | Traced.                  | Not Traced. | Percent. Traced. | Traced.     | Not Traced. | Percent. Traced. | Traced.               | Not Traced. | Percent. Traced. |
| January ... ..   | 112                    | —           | 100              | 137         | —           | 100              | 26                       | —           | 100              | 51          | —           | 100              | 191                   | —           | 100              |
| February ... ..  | 526                    | —           | 100              | 170         | 4           | 99·70            | 27                       | —           | 100              | 47          | —           | 100              | 223                   | —           | 100              |
| March ... ..     | 1,569                  | 7           | 99·55            | 248         | —           | 100              | 26                       | —           | 100              | 86          | —           | 100              | 191                   | 1           | 99·47            |
| April ... ..     | 90                     | —           | 100              | 124         | 4           | 96·87            | 40                       | —           | 100              | 87          | —           | 100              | 241                   | —           | 100              |
| May... ..        | 103                    | 1           | 99·03            | 132         | —           | 100              | 39                       | —           | 100              | 125         | —           | 100              | 230                   | 1           | 99·56            |
| June ... ..      | 79                     | —           | 100              | 188         | —           | 100              | 35                       | —           | 100              | 204         | —           | 100              | 165                   | —           | 100              |
| July ... ..      | 106                    | —           | 100              | 167         | —           | 100              | 84                       | —           | 100              | 136         | —           | 100              | 299                   | —           | 100              |
| August ... ..    | 809                    | —           | 100              | 342         | —           | 100              | 288                      | —           | 100              | 391         | —           | 100              | 552                   | —           | 100              |
| September ... .. | 888                    | —           | 100              | 554         | —           | 100              | 518                      | —           | 100              | 400         | 4           | 99·00            | 1,433                 | 1           | 99·33            |
| October ... ..   | 1,053                  | —           | 100              | 403         | —           | 100              | 486                      | —           | 100              | 376         | —           | 100              | 1,796                 | —           | 100              |
| November ... ..  | 393                    | —           | 100              | 238         | —           | 100              | 199                      | —           | 100              | 183         | —           | 100              | 606                   | —           | 100              |
| December ... ..  | 203                    | —           | 100              | 210         | —           | 100              | 43                       | —           | 100              | 64          | —           | 100              | 250                   | —           | 100              |
| TOTAL ... ..     | 5,931                  | 8           | 99·86            | 2,913       | 8           | 99·72            | 1,811                    | —           | 100              | 2,150       | 4           | 99·86            | 6,177                 | 3           | 99·95            |

Total number of Passengers { Traced ... ..  
Not Traced ... ..

Total Number of Crews Dispensed with ... ..

Total Number of Passengers for whom no observation Lists were sent ... ..

GENERAL TOTAL ... ..

Percentage of Passengers Traced 99·88

IN ALEXANDRIA FROM SHIPS COMING FROM CHOLERA INFECTED COUNTRIES.

| at Alexandria. |                |                     | Transit Passengers.    |                |                     |             |                |                     | Total.                 |                |                     |             |                |                     | Number of Passengers<br>of whom no observation<br>lists were sent. | Remarks on Pas-<br>sengers for whom no<br>observation lists<br>were sent. |
|----------------|----------------|---------------------|------------------------|----------------|---------------------|-------------|----------------|---------------------|------------------------|----------------|---------------------|-------------|----------------|---------------------|--|---|
| 3rd. Class.    |                |                     | 1st. and 2nd. Classes. |                |                     | 3rd. Class. |                |                     | 1st. and 2nd. Classes. |                |                     | 3rd. Class. |                |                     |  |   |
| Traced.        | Not<br>Traced. | Percent.<br>Traced. | Traced.                | Not<br>Traced. | Percent.<br>Traced. | Traced.     | Not<br>Traced. | Percent.<br>Traced. | Traced.                | Not<br>Traced. | Percent.<br>Traced. | Traced.     | Not<br>Traced. | Percent.<br>Traced. |  |   |
| 381            | —              | 100                 | 298                    | —              | 100                 | 60          | —              | 100                 | 627                    | —              | 100                 | 629         | —              | 100                 | 2  | proceeded to<br>Cairo.  |
| 370            | —              | 100                 | 33                     | —              | 100                 | 94          | —              | 100                 | 809                    | —              | 100                 | 681         | 4              | 99·41               | —  | —   |
| 574            | 4              | 99·30               | 99                     | —              | 100                 | 240         | —              | 100                 | 1,885                  | 8              | 99·57               | 1,148       | 4              | 99·65               | —  | —   |
| 571            | 4              | 99·30               | 75                     | 1              | 98·68               | 132         | —              | 100                 | 446                    | 1              | 99·77               | 914         | 8              | 99·13               | 1<br>1   | pr. to Alexandria.<br>pr. to Qena.  |
| 650            | —              | 100                 | 78                     | —              | 100                 | 105         | —              | 100                 | 450                    | 2              | 99·55               | 1,012       | —              | 100                 | 3  | pr. to Alexandria.  |
| 673            | —              | 100                 | 81                     | —              | 100                 | 338         | —              | 100                 | 360                    | —              | 100                 | 1,403       | —              | 100                 | 2  | pr. to Wâdi Halfa.  |
| 684            | —              | 100                 | 40                     | —              | 100                 | 64          | —              | 100                 | 529                    | —              | 100                 | 1,051       | —              | 100                 | 6<br>2   | pr. to Wâdi Halfa.<br>pr. to Alexandria.                                  |
| 894            | —              | 100                 | 31                     | —              | 100                 | 46          | —              | 100                 | 1,680                  | —              | 100                 | 1,673       | —              | 100                 | 1<br>2<br>3  | pr. to Alexandria.<br>pr. to Asyût.<br>pr. to Wâdi Halfa.                 |
| 1,271          | 1              | 99·92               | 15                     | —              | 100                 | 107         | —              | 100                 | 2,854                  | 1              | 99·96               | 2,332       | 5              | 99·78               | —  | —   |
| 1,274          | —              | 100                 | 38                     | —              | 100                 | 39          | 1              | 97·50               | 3,373                  | —              | 100                 | 2,092       | 1              | 99·95               | 1<br>1   | pr. to Alexandria.<br>pr. to Wâdi Halfa.                                  |
| 756            | —              | 100                 | 53                     | —              | 100                 | 46          | —              | 100                 | 1,251                  | —              | 100                 | 1,223       | —              | 100                 | 3  | pr. to Cairo<br>(Ezbek.).   |
| 492            | —              | 100                 | 13                     | —              | 100                 | 115         | —              | 100                 | 509                    | —              | 100                 | 881         | —              | 100                 | 1<br>1<br>1  | pr. to Alexandria.<br>pr. to Manfalût.<br>pr. to Samallût.                |
| 8,590          | 9              | 99·89               | 854                    | 1              | 99·88               | 1,386       | 1              | 99·92               | 14,773                 | 12             | 99·91               | 15,039      | 22             | 99·85               | 31   |   |

|        |  |
|--------|--|
| 29,812 | This total comprises :—                          |
| 34     | 56 3rd. Class Passengers entered Chatly Lazaret. |
| 743    | 11 3rd. „ „ „ Other Hospitals.                   |
| 31     | 2503 Black Sea and Near East Emigrants.          |
| 30,620 |  |



TABLE XIX.—NUMBER OF SHIPS ENTERING PORTS OF EGYPT IN 1924.

| MONTHS.          | Ships from Ports "Under Arrêté" or Supplementary Measures. | Ships from other Ports. | Total. |
|------------------|--|-------------------------|--------|
| January... ..    | 54   | 81                      | 135    |
| February ... ..  | 49   | 79                      | 128    |
| March ... ..     | 75   | 95                      | 170    |
| April ... ..     | 81   | 109                     | 190    |
| May ... ..       | 181  | 111                     | 292    |
| June ... ..      | 136  | 112                     | 248    |
| July ... ..      | 219  | 114                     | 333    |
| August ... ..    | 209  | 120                     | 329    |
| September ... .. | 136  | 131                     | 267    |
| October ... ..   | 128  | 150                     | 278    |
| November ... ..  | 99   | 112                     | 211    |
| December ... ..  | 79   | 123                     | 202    |
| TOTAL ... ..     | 1,446  | 1,337                   | 2,783  |

Number of Passengers who entered Egypt in 1923. = 30,424.  
" " " " " 1924. = 30,620.

Number of Ships coming from Ports "Under Arrêté" or supplementary Measures in 1923 = 1,311.  
" " " " " 1924 = 1,446.

TABLE XX.—CREWS DISPENSED WITH IN 1924.

| MONTHS.          | Found and Traced. | Not Traced. | Percentage Found. |
|------------------|-------------------|-------------|-------------------|
| January... ..    | 39                | —           | 100               |
| February ... ..  | 28                | —           | 100               |
| March ... ..     | 52                | —           | 100               |
| April ... ..     | 58                | —           | 100               |
| May ... ..       | 65                | —           | 100               |
| June ... ..      | 61                | —           | 100               |
| July ... ..      | 83                | —           | 100               |
| August ... ..    | 106               | —           | 100               |
| September ... .. | 81                | —           | 100               |
| October ... ..   | 71                | —           | 100               |
| November ... ..  | 51                | —           | 100               |
| December ... ..  | 48                | —           | 100               |
| TOTAL ... ..     | 743               | —           | 100               |

TABLE XXI.—BLACK-SEA AND NEAR-EAST EMIGRANTS IN 1924.

| MONTHS.          | Found and Traced. | Not Traced. |
|------------------|-------------------|-------------|
| January... ..    | 280               | —           |
| February ... ..  | 240               | —           |
| March ... ..     | 586               | —           |
| April ... ..     | 463               | 2           |
| May ... ..       | 415               | —           |
| June ... ..      | 487               | —           |
| July ... ..      | 348               | —           |
| August ... ..    | 343               | —           |
| September ... .. | 341               | —           |
| October ... ..   | 357               | —           |
| November ... ..  | 342               | —           |
| December ... ..  | 199               | —           |
| TOTAL ... ..     | 4,501             | 2           |

Number of 3rd Class Emigrants from Central Europe who went by Railway Trains to Palestine via Alexandria was 89.

## MOSQUITOES INVESTIGATIONS.

The work in connection with these investigations has been continued during 1924–1925. A sum of L.E. 1,150 was placed at the disposal of the Entomological Section, Ministry of Agriculture, for this purpose. These investigations are about to be completed. The only remaining areas thereof being those in outlying districts such as the Oases of the Western Deserts and Sinai.

A report on this work has been made by Mr. T.W. Kirkpatrick, B.A., F.E.S., Senior Entomologist, Ministry of Agriculture, and is now being printed.

The following is a summary thereof dealing with the species of Mosquitoes.

“Twenty two species of Mosquitoes are now known from Egypt, comprised in the following general :

|                 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Anopheles ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6  |
| Uranotaenia ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1  |
| Theobaldia...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1  |
| Aedes ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3  |
| Culex ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 |

Six of the above,—two species of *Anopheles* and four of *Culex*—had not been recorded from Egypt prior to the recent investigation, and three of the species of *Culex* had not previously been described.

It may be stated that the investigation of the Mosquito fauna of the Nile Valley, the Delta and the Faiyûm is reasonably complete owing to the short time at my disposal and to the difficulties of transport of same cannot be said of the Oases of the Western Desert, or of the Peninsula of Sinai. It is hoped however that during the present year (1925) it may be found possible to add to the knowledge of the very interesting mosquitoes that occur in these regions.

### NOTES ON THE SPECIES.

1. *Anopheles mauritanus*, Grp.—Never abundant, but widely distributed in the North of the Delta. Also known from the Wâdi Tumilat, the shores of the Bitter Lakes, and the neighbourhood of Cairo. In Upper Egypt the only records are from Beni Suef and the Faiyûm.

Mainly in the late summer, scarce in the winter and spring.

Breeds at the reedy edges of borrow-pits and other pools, in stagnant drains, and in rice fields. Only in fresh or very slightly brackish water.

Bites man, but is said not to carry malaria.

2. *Anopheles pharoensis*, Theo.—Common, though seldom in very large numbers, throughout Egypt† as far south as Kom Ombo. Also in Kharga and Dakhla Oases and from wells on the western shore of Sinai. Most abundant in summer and autumn, very scarce in February and March.

Breeds in borrow-pits and other pools and stagnant drains and “miqqas,” but usually only where there is a thick growth of water-plants or reeds. Breeds abundantly in almost every rice-field in the Country.

Mainly in fresh or nearly fresh water, one record only in water containing more than 1 per cent of salt.

This species enters houses and bites ; there appears to be considerable diversity of opinion as to whether or not it carries malaria. This is a question of great importance, as, if *A. Pharoensis* is not a carrier, there is no danger of malaria from rice cultivation in Egypt except in those few localities where *A. Sergenti* occurs.

3. *Anopheles rhodesiensis*, Theo.—So far only known from several springs in the neighbourhood of Kossaima, near the Sinai—Palestine frontier, about 100 kms. South-East of

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† In these notes, for the sake of brevity, the word “Egypt” is to be understood to mean the Nile Valley as far South as Wâdi Halfa, the Delta, the Wâdi Tumilat, and the Suez Canal Zone, where species are known from the Oases or desert regions this is specifically stated.



El 'Arish, where it is abundant in August and September. (No information as to its occurrence at other times of the year.)

Breeds both in stagnant pools and swiftly flowing water.

Bites man and is probably a carrier of malaria.

4. *Anopheles Sergenti*, Theo.—So far only known from 'Ain Mûsa in Sinai near Suez (abundant). Faïd (rare), Shawashna in the Faiyûm (rare) and Kharga Oasis (extremely abundant). *Not known and almost certainly does not occur in the Delta or Nile Valley.*

Probably occurs only in the autumn. Breeds occasionally in stagnant pools and slow-moving streams, but most commonly in rice fields. Only in fresh or nearly fresh water.

Enters houses and bites man. According to Buxton, is probably an important carrier of malignant tertian malaria.

5. *Anopheles superpictus*, Grassi.—Only known with certainty from Kossaima in Sinai, where it was not common in August and September.

Breeds in fast running streams and drains. It is known to be a carrier of malaria.

6. *Anopheles multicolor*, Camb.—Very abundant throughout Egypt as far South as Beni Suef, though rather less common in the North of the Delta, South of Beni Suef only known from Aswân and Kom Ombo.

Also from the Oasis of Kharga, Dakhla and Sîwa; and in Sinai from Kossaima.

Throughout the year, but most numerous in summer and autumn.

Breeds mainly in small pools, whether with water-plants or not, and in drains either stagnant or flowing, and in surface wells.

*Anopheles Multicolor Does not Breed in Rice Fields.* Although not infrequently found in fresh or nearly fresh water, in nearly half the breeding places the salinity was over 1 per cent, and in some of them as much as 6 per cent.

Probably the carrier of most or all of the malaria in the Delta and Nile Valley.

7. *Uranotaenia Unguiculata*, Edw.—Seldom abundant, but widely distributed over the Delta, Wâdi Tumilât, Canal Zone and the Faiyûm. Also from Kharga Oasis, but not recorded from the Nile Valley.

Commonest in June, and again in the autumn. Less abundant in early spring and the height of summer.

Breeds in reedy and weedy pools, *saqia* pits and sometimes in rice fields.

Mainly in fresh, occasionally in brackish water. Does not appear to bite man, and is of no pathological importance.

8. *Theobaldia longiareolata*, Macq.—Abundant throughout Egypt, also in Kharga Oasis, all suitable water-holes in the Eastern Desert and in Sinai known from el 'Arish and near Kossaima.

Commonest in Winter and Spring, very scarce in Summer.

Breeds mainly in *saqia* pits and disused wells, and occasionally in pools and ponds. In the desert in rock-pools of rain water.

Almost entirely in fresh or nearly fresh water. Seldom if ever bites man.

9. *Aedes Caspius*, Pallas.—Abundant throughout Egypt as far South as Aswân, also in the Oases of Kharga, Dakhla and Sîwa. One record only from Sinai from a well east of Ismaïlia.

Common throughout the year, but occasionally so in the late autumn and winter, and at its minimum in June and July.

Breeds mainly in borrow-pits and other pools, especially reedy ones, and in stagnant or slowly moving drains.

This species appears to flourish equally well in fresh or very salt water in 78 per cent of its breeding places of which the salinity has been determined the percentage of salt as less than 1.0, but the remaining 22 per cent it varied from 1.0 to just over 7.0. the highest recorded being 7.02 per cent.

A troublesome and bloodthirsty insect, especially at dusk, but not known to carry any diseases.



10. *Aedes detritus*, Hal.—Not very uncommon in the North of Beheira Province, also known from the North of Gharbîya, from Tina on the Suez Canal, and from Sîwa Oasis. Only found in the spring.

Breeds in salt pools and stagnat drains, does not occur in fresh water.

Like the last Species, a vicious biter.

11. *Aedes Argenteus*, Poiret.—Probably in all towns and villages throughout the thickly inhabited parts of Egypt; especially abundant in Alexandria and Cairo, and known with certainty to occur as far South as Aswân.

Most numerous in summer, but it appears just able to maintain itself during the winter.

A purely domestic species, breeding mainly in household utensils such as *zîrs*, or in water tanks, but also occasionally in wells or ponds close to houses. Always in fresh or very nearly fresh water.

A very blood-thirsty mosquito, which bites by day. It is the carrier of yellow-fever, the parasite causing which is however fortunately absent in Egypt.

12. *Culex pusillus*, Macq.—Rather local, though often abundant where it occurs. Widely distributed in the Delta and the Faiyûm, the only records from the Nile Valley are from Wasta and Kom Ombo. The only Oasis from which it is known is that of Sîwa, where it is very numerous. In Sinai only recorded from a well East to Ismaïlia.

At its maximum in Autumn, and least common in early Spring.

Breeds in any sort of small pool, and at the reedy edges of large pools, often in stagnant salt drains. Most commonly in water the salinity of which is about 1 per cent but it is also found in fresh water, or water containing up to 3 per cent of salt.

It is not thought that this species bites man.

13. *Culex pluviialis*, Kirkp.—Only known from rock-pools of rain-water in the Eastern Desert, and so far only obtained in April. Probably does not bite man.

14. *Culex deserticola*, Kirkp.—Up to the present, this species has only been found in a single rock pool of rain-water in the North Galala Mountains, in the Eastern Desert, during the month of April.

Like the last species, it appears not to bite man.

15. *Culex quasigelidus*, Theo.—Never common, but widely distributed in the Delta, except in the North and the East, also in the Faiyûm, and from several localities in the Nile Valley as far South as Kom Ombo.

In Sinai from El 'Arish and 'Ain Mûsa near Suez. A hot water species, most numerous in the height of summer, and scarce or absent in the winter. Most usually found breeding in rice fields, also in pools which have a thick growth of water plants. Nearly always in quite fresh water.

Enters houses and presumably bites man.

16. *Culex tritaeniorhynchus*, Giles.—So far only known in this Country from Kharga Oasis, where it was very abundant in October, but not found in February or March.

Occurred in every rice field in Kharga, and occasionally in stagnant drains below rice fields, only in water that was fresh or nearly so.

Enters houses and bites.

17. *Culex tipuliformis*, Theo.—Very local, but sometimes abundant where it occurs. Never common in the Delta, though recorded from several localities, common in the Wadi Tumilât and the Canal Zone, and all over the Faiyûm. Very numerous in the Oases of Kharga and Dakhla. Also found at El 'Arish in Sinai. Not recorded from the Nile Valley.

Only in the Spring and early Summer, there are no records between August and January.

Breeds in reedy or weedy pools, or evergrown stagnant drains. In fresh or brackish water containing up to 1 per cent of salt.

Enters houses and bites.

18. *Culex laticinctus*, Edw.—Common at Alexandria and less common at Cairo. Otherwise only known from Dissunis and 'Ain Kadeis in Sinai.

Mainly in August and September, absent in Spring and very scarce in early Summer.



A domestic species, breeding in tanks or other artificial collections of water near houses. Its occurrence at 'Ain Kadeis is a remarkable exception to its normal mode of life. Only found in fresh water.

19. *Culex Sinaiticus*, Kirkp.—Only known from Sinai, from several localities near the Palestine frontier, and at 'Ain Mûsa near Suez. Abundant in these places in August and September, but it has not been possible to visit them at any other times of the year.

Breed in all the available collections of water where it occurs, which comprise stagnant pools, both with and without weeds, and fast flowing streams.

This species bites man.

20. *Culex perexiguus*, Theo.—Common throughout Egypt as far South as Aswân. Also from Kharga Oasis, and El 'Arish in Sinai. Abundant throughout the year, but especially so in Autumn.

Mainly breeds in borrow-pits and other pools, both with or without water plants. Also in *sagia* pits, other pools, both with or without water-plants, stagnant drains and Canals, and old wells. Almost always in fresh water.

This species enters houses and bites.

21. *Culex laurenti*, Newst.—Very abundant throughout Egypt, but not recorded from the Oases or any of the desert regions.

Throughout the year, especially numerous in Autumn. Its breeding places are similar to those of *C. perexiguus*, except that it is also not uncommon in rice fields, and is rather more often found in brackish water.

This species bites man, though it does not appear often to enter houses.

22. *Culex pipiens*, L.—Extremely abundant throughout Egypt, also known from Kharga Oasis, and in Sinai from El 'Arish and a well East of Ismaïlia. Almost equally numerous throughout the year, perhaps at its maximum in Autumn.

Breeds in *sagia* pits and disused wells, cisterns etc. cess-pits and domestic utensils within houses. Also commonly in borrow-pits and pools of all types. Mainly in fresh, but occasionally in brackish water.

A very annoying species, to which belong the majority of mosquitoes that bite in houses in this Country. Although they bite mainly at night, they will also do that by day.

## SUMMARY OF THE MORE IMPORTANT INFORMATION FROM THE POINT OF VIEW OF PUBLIC HEALTH IN EGYPT.

### ANOPHILINE MOSQUITOES.

*Anopheles mauritanus*.—May be neglected. It is not common and is said to be harmless.

Omitting for the moment the Oases, the Faiyûm, and the small area on the Western shores of the Bitter Lakes, the question as to the part played by rice cultivation in increasing malaria can be settled as soon as it is definitely ascertained whether *A. Pharoensis* is a carrier or not. This species breeds abundantly in rice fields, but if as has often been suggested, it is harmless, there can be no objection to rice cultivation in the Delta or Nile Valley, as *A. multicolor* which is a proved carrier of malaria, never breeds in rice fields in this Country. Although these two species are practically never found actually breeding together, there are unfortunately no large areas of Country in which both species do not occur, the settlement of this highly important question may, therefore, be a matter of some difficulty.

In parts of the Faiyûm, and near Faid on the Great Bitter Lake, *A. Sergenti* which is almost certainly a carrier, occurs in rice fields. It does not however appear to be common, and is probably not sufficiently numerous to be a source of much danger.

In the Oasis of Kharga however, and very probably in the other Oases, this species is abundant in the Autumn, and is most likely responsible for much of the malaria that occurs there, (though *A. multicolor* is also common).

As rice is one of the staple crops of the Oases, it is difficult to suggest any practical remedy. There is however an almost constant North wind during the Summer and Autumn,



and it might be possible to restrict rice cultivation for a considerable distance to the North of the town. The mosquitoes would not travel far against the wind, but probably the nights are often calm.

The two remaining species of *Anopheles* : *A. rhodesiensis* and *A. superpictus* are almost certainly restricted to desert regions and are unlikely to spread to the cultivated areas.

*Culicine Mosquitoes*.—*Aedes* (*Stegomyia*) *argenteus* is common in most towns in Egypt, and is potentially a very dangerous insect, being the carrier of Yellow Fever.

The possibilities of increased facilities of aerial transport introducing this disease into Egypt should not be overlooked.

*Culex fatigans*, a dangerous mosquito that has frequently been recorded from Egypt in error, can be stated positively not to occur."

#### MALARIA.

Most of the cases of Malaria, notified to the Department, were discovered during the examination of policemen, ghaffirs and employees or when an epidemic form of the disease has attracted attention.

The number of cases of Malaria recorded by the Department cannot, therefore, be taken as a true index of the incidence of the disease in this country.

The Dpartment is still following the method of examination for enlarged spleen among children from two to 10 years of age in order to estimate the exact incidence of the disease.

The number of cases notified for the whole country during 1924 was 2,448 as shown in the attached table ; of these 26 cases were brought from abroad to Port Saïd and Ismaïlia. The number of cases notified in the last five years is shown as follows :—

| Year. | Malaria cases notified within the last five years. |
|-------|--|
| 1919  | 1,683  |
| 1920  | 1,870  |
| 1921  | 2,012  |
| 1922  | 1,078  |
| 1923  | 507  |

As shown by the following table, the increase of malaria in the country is due to the increase of the cases of that disease in Gebel el Asfar during this year :—

| Year. | Malaria cases in Gebel el Asfar Area. |
|-------|---------------------------------------|
| 1918  | —                                     |
| 1919  | —                                     |
| 1920  | 10                                    |
| 1921  | 2                                     |
| 1922  | —                                     |
| 1923  | 175                                   |
| 1924  | 1,646                                 |

As regards the seasonal incidence of malaria, the following graph (No. 1) shows that the incidence increases during the Nile flood in August and decreases in January and February.

This increase in Malaria is due to the high level of the Nile, resulting in infiltration of the adjacent land and flooding of low-lying areas.

The number of notified cases occurring in the Canal Zone and in Cairo has decreased. During certain periods when an increase of malaria has been noted in these localities, it has been found to be due to imported cases.

The following graph (No. 2) has been made to indicate the incidence of this disease.



TABLE XXII.—LIST OF CASES OF MALARIA IN EGYPT RECORDED DURING 1924.

| District.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | TOTAL. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Cairo ... ..             | —        | —         | —      | —      | —    | 2     | —     | 1       | 4          | —        | —         | 2         | 9      |
| Port Saïd... ..          | —        | *2        | —      | —      | 1    | —     | 1     | —       | —          | —        | —         | —         | 4      |
| Ismâïlia ... ..          | —        | 2         | 2      | 1      | †8   | 1     | 4     | 9       | 10         | †17      | 24        | *8        | 86     |
| Damietta... ..           | 1        | —         | 1      | —      | —    | —     | —     | —       | —          | —        | —         | —         | 2      |
| Suez ... ..              | 7        | 9         | 5      | 4      | 2    | 9     | 14    | 19      | 6          | 6        | 11        | 10        | 102    |
| Kôm Hamâda... ..         | —        | —         | —      | —      | —    | —     | —     | 1       | —          | —        | —         | —         | 1      |
| Rosetta ... ..           | —        | —         | —      | 1      | 1    | 1     | 1     | —       | —          | 1        | 1         | —         | 6      |
| Kafr el Dawâr ... ..     | —        | —         | —      | —      | —    | —     | 2     | —       | —          | 1        | —         | —         | 3      |
| Abu Hommos... ..         | —        | —         | —      | —      | —    | —     | —     | —       | —          | 2        | —         | —         | 2      |
| Damanhûr ... ..          | —        | —         | —      | —      | —    | —     | —     | 2       | —          | 4        | —         | —         | 6      |
| Ramleh ... ..            | —        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | 1         | 1      |
| Simbellawein ... ..      | 1        | —         | —      | —      | —    | —     | —     | —       | —          | —        | 1         | —         | 2      |
| Mit Ghamr ... ..         | —        | —         | —      | —      | —    | —     | 1     | —       | —          | —        | 3         | —         | 4      |
| Mansûra ... ..           | —        | —         | —      | —      | —    | —     | —     | 2       | —          | —        | —         | —         | 2      |
| Dekerness ... ..         | —        | —         | —      | —      | —    | —     | —     | —       | 3          | —        | —         | —         | 3      |
| Faraskûr ... ..          | —        | —         | —      | —      | —    | —     | —     | —       | —          | —        | 1         | —         | 1      |
| Fowa ... ..              | —        | —         | —      | —      | —    | —     | —     | —       | 1          | 1        | —         | —         | 2      |
| Santa ... ..             | —        | —         | —      | —      | —    | —     | —     | —       | 1          | —        | —         | —         | 1      |
| Kafr el Sheikh ... ..    | —        | —         | —      | —      | —    | —     | —     | —       | —          | 3        | —         | —         | 3      |
| Zefta ... ..             | —        | —         | —      | —      | —    | 1     | —     | —       | —          | —        | —         | —         | 1      |
| Borollos ... ..          | —        | —         | —      | —      | —    | —     | —     | 1       | 4          | 9        | 24        | 16        | 54     |
| Shebin el Kanater ... .. | —        | —         | —      | —      | 190  | 211   | 198   | 194     | 184        | 224      | 200       | 245       | 1,646  |
| Benha ... ..             | —        | —         | —      | —      | —    | —     | —     | —       | —          | 2        | —         | —         | 2      |
| Tûkh... ..               | —        | —         | —      | —      | —    | 1     | —     | —       | —          | —        | —         | —         | 1      |
| Quesna ... ..            | —        | 1         | —      | —      | —    | 1     | 2     | —       | —          | 2        | 2         | 1         | 9      |
| Zagazîg ... ..           | 1        | —         | —      | 1      | —    | —     | —     | 1       | —          | 1        | 1         | —         | 5      |
| Beni Suef ... ..         | —        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | 1         | 1      |
| Faiyûm ... ..            | 2        | —         | —      | —      | —    | —     | —     | —       | 2          | 3        | 5         | 3         | 15     |
| Minya ... ..             | —        | —         | —      | —      | —    | —     | 1     | —       | —          | —        | —         | —         | 1      |
| Fashn ... ..             | —        | —         | —      | —      | —    | —     | —     | —       | —          | 2        | —         | —         | 2      |
| Beni Mazâr ... ..        | —        | —         | 1      | —      | —    | 1     | —     | —       | —          | 1        | —         | —         | 3      |
| Abu Qerqas ... ..        | —        | —         | —      | —      | —    | —     | —     | —       | —          | 1        | —         | —         | 1      |
| Abu Tig ... ..           | 1        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | —         | 1      |
| Luxor ... ..             | 1        | —         | —      | —      | —    | —     | —     | —       | —          | —        | —         | —         | 1      |
| Kom Ombo ... ..          | —        | —         | —      | 53     | 24   | 90    | 79    | 125     | 94         | —        | —         | —         | 465    |
|                          | 14       | 14        | 9      | 60     | 226  | 318   | 303   | 355     | 309        | 280      | 273       | 287       | 2,448  |

\* One of these cases is an imported case.

† These are all imported cases.

‡ Seven of these are imported cases.

The Department distributed quinine gratuitously in all places where the disease occurred. The following table XXIII.—shows the amount of quinine which was distributed in the different areas in 1924 :—

| Name of Locality.      | Number of tablets.<br>(5 grains). | Number of tablets.<br>(2 grains). |
|------------------------|-----------------------------------|-----------------------------------|
| The Oases ... ..       | 35,000                            | 57,500                            |
| Gebel el Asfar... ..   | 143,000                           | 90,000                            |
| Canal Zone ... ..      | 5,000                             | —                                 |
| Derr ... ..            | 700                               | 1,600                             |
| Kom Ombo ... ..        | 1,300                             | 1,700                             |
| Other localities... .. | 411,120                           | 196,680                           |
|                        | 596,120                           | 347,480                           |

# WORK CARRIED OUT BY THE MALARIA COMMISSION DURING 1924.

The Government placed at the disposal of the Malaria Commission during the Financial year 1924–1925 a credit of L.E. 19,886 distributed as follows :—

| Zone of work.                  | Fund.  | Expenditure. |
|--------------------------------|--------|--------------|
|                                | L.E.   | L.E.         |
| Cairo and Suburbs ... ..       | 3,100  | 2,563        |
| Provincial Towns ... ..        | 2,600  | 165          |
| Canal Zone ... ..              | 6,120  | 2,845        |
| Oases ... ..                   | 1,080  | 1,139        |
| Agricultural Areas ... ..      | 4,690  | 1,609        |
| Mosquito Investigations ... .. | 1,150  | 1,062        |
| Distribution of fish... ..     | 600    | 270          |
| Printing of the report ... ..  | 100    | 23           |
| Incidental Expenses ... ..     | 446    | —            |
|                                | 19,886 | 9,676        |

The failure to spend the allotted credit was due to the delay in the approval of the Budget; consequently the assembly of the Commission for the distribution of the funds provided for malaria schemes was also delayed.

The prolonged formalities involved in most of the drainage schemes, such as the expropriation of lands and the substitution of culverts belonging to the Egyptian State Railways etc., is another reason for the failure to spend the allotted credit.

## CAIRO CITY.

The Main Drainage Department is undertaking the work necessary for combating Malaria in the city of Cairo and its suburbs as mentioned in last year's report. The Credit allotted for this area was put at the disposal of the said Department to carry out the following works.

*L.E. 1,000 for the filling in of Government Birkas at Tora and Maâdi*, the greater part of the work was accomplished in these two areas; the reason why it was not completed was the difficulty encountered by the Main Drainage Department in transporting earth. The Ministry of Finance has in consequence, at the request of the Commission, authorised the Main Drainage Department to continue the work after March 31, 1925.

The sums spent in this connection amounted to L.E. 556 only.

*L.E. 330 for Matarîya*.—There were 6 birkas, situated at Tel el Hesn village near Matarîya, which were dangerous from a public health point of view as breeding grounds for mosquitoes.

The Commission decided to fill in these birkas and the work was carried out at a cost of L.E. 256 only.

*L.E. 1,650*.—This sum was Allotted for the covering in of the open drains at Gezîreh (Cairo). The work was completed and the amount expended did not exceed L.E. 1,632.

*L.E. 120*.—A birka situated at 'Arab el Mohammadi (Abbâsiya) belonged partly to the Government and partly to a private individual. The part belonging to the Government was completely filled in, the expenses amounting to L.E. 119. The Birka Law was applied to the remaining part and the Proprietor commenced to fill it in.

## PROVINCIAL TOWNS.

*L.E. 1,418 Damanhûr*.—This sum was allotted to convert the drain and channel mentioned in last year's report into two drains covered with armed cement.

The Irrigation Department did not approve of the covering of these channels owing to a technical objection *i.e.* the difficulty of cleansing them should they become obstructed;



that Department proposed that they should be left open and paved with armed cement in order that they might be easily cleansed.

The Department of Public Health and the Malaria Commission agreed to this procedure. For this reason, the work was not completed during the financial year, but it is hoped that it will be accomplished next year.

*Tanta.*—The Anti Malaria undertakings at Tanta Bandar are nearly completed. The only remaining work to be undertaken at the end of the year, is the control of accumulations of water at the Hydrants, near the Railway Station, which supply locomotives with water ; this water was found to flow in an open channel which traversed the surface of “ made ” land where a birka had previously existed ; the latter work was carried out by the Malaria Commission during the last two years. This channel is situated to the North of Tanta Station and to the West of the Railway line and extends to a distance of 30 metres from the filled in Birka.

This channel, when passing over the filled in Birka forms pools in which mosquito breeds. The Malaria Commission therefore suggested the covering in of this *misqa* and a sum of the Malaria Credit of Damanhûr was allotted for this work.

The work has not yet been carried out, but it is hoped that it will be completed next year.

*L.E. 957 Simbellawein.*—Many Government Birkas exist at Sembellawein Bandar. Of these three are most dangerous from a malaria point of view. The Malaria Commission allotted, for their filling in, a sum of L.E. 957 which was put at the disposal of the State Domains Administration ; this procedure is in accordance with the policy adopted by the Malaria Commission for the filling in of Government Birkas and is entrusted to Municipalities and Local Commissions Sections.

This policy consists in ascertaining whether the Birka is Government property or not through the medium of the State Domains Administration ; the amount of money required for its filling in is included in the Budget of the said Administration and is then placed at the disposal of the Municipality or Local Commission concerned ; the latter, after placing the work to public tender, will carry out the filling in by the employment of a contractor. When the Municipality or Local Commission certifies that the work has been satisfactorily accomplished, the State Domains Administration pays the necessary sum agreed upon to the Contractor and remains the proprietor of the birka land.

The Simbellawein Local Commission has not yet carried out the work.

*L.E. 55 Mansûra.*—Were allotted for the filling in of a small Government Birka near the station of the Delta Light Railways Co., but the work has not yet been carried out.

*L.E. 170 Asyût.*—There is a lowlying area belonging to the Government at Aysût opposite to the Ophthalmic Hospital, on which the Department desires to erect a shelter for the patients who attend this Hospital. The Commission has placed L.E. 170 at the disposal of the Inspector General of Irrigation, Upper Egypt, for the purpose of raising the level of this land.

The reasons why the funds allotted to Damanhûr, Simbellawein and Mansûra Bandars were not expended, the Municipalities state, are the lack of time and the large areas of stagnant water to be drained. The Municipalities Section state that it intends to commence the work early in the financial year 1925–1926.

#### EGYPTIAN STATE RAILWAYS ADMINISTRATION.

The works carried out by this Administration for the purpose of the Anti-Malaria Campaign, were of the greatest assistance as regards the abolition of breeding grounds for mosquitoes ; 51,363 cubic metres of earth were transported with the object of filling in birkas and borrow-pits, earmarked as potential breeding grounds. The sum of L.E. 5,765 which was included in the Budget of the Administration was expended for the carrying out of this work.



The following table XXIV.—shows the situation of Birkas and Borrow-pits which were filled in :—

| Name of Town.            | Situation of Birka or Borrow-pit.                | Number of Cubic Metres filled in. |
|--------------------------|--|-----------------------------------|
| Tanta ... ..             | Between the main line and Defra Canal ... ..     | 243                               |
| Damanhûr ... ..          | South of the Station ... ..                      | 2,500                             |
| Shebîn el Kôm ... ..     | Near the Station ... ..                          | 6,000                             |
| Geneva ... ..            | S.W. the Station ... ..                          | 30,071                            |
| Desûq ... ..             | W. of the crossing near the Kiosk No. 1 ... ..   | 2,300                             |
| Zefta ... ..             | Opposite to the old Zefta Station ... ..         | 3,600                             |
| Shebîn el Kanâter ... .. | Completion of the filling in of the Birka ... .. | 200                               |
| Kafr Saqr ... ..         | Near the Station ... ..                          | 296                               |
| Mît Ghamr ... ..         | Near the outlayers Post No. 4 ... ..             | 776                               |
| Desûnes... ..            | Near the Station ... ..                          | 3,740                             |
| Qotûr ... ..             | Near the Station ... ..                          | 1,367                             |

### I.—Canal Area.

Drainage of the area between Kubri and Shallûfa. A sum of L.E. 5,300 was allotted for the drainage of this area situated between Kilos 135 and 146 on the Suez Canal and between Kilos 198 and 209.5 on the Sweet Water Canal.

The draining of the water of this zone has necessitated the construction of new drains amounting to 14,995 metres in extent ; three of these are main-drains discharging into the Suez Canal.

The total area of the filled in Birkas and marshy lands was 700 feddans.

The first Circle of Irrigation began the work on February 10, and by the end of the first week of March, 1924 a large area of marshy land was drained.

It was a very difficult task to drain this land owing to its water logged condition ; it was necessary to reach the compact stratum and begin by draining the water in this situation ; to accomplish this the drains had to be deepened to the required level. For this reason the work could not be completed before the beginning of 1925. The drains were stone faced and a syphon was put under the Suez Sweet Water Canal. In order to free this area from all breeding grounds the Malaria Commission came to an agreement with the Suez Canal Company to drain all marshy lands belonging to the Company in this area.

### II.—Ezbet el Kab.

Some fishermen had erected a number of huts on some low lying land near Port Saïd on the shore of Manzala Lake. When rain falls, this area is turned into a swamp and breeding grounds are formed ; the locality, is therefore, rendered unhealthy on account of mosquitoes. For these reasons, it was decided that the level of this lowlying land should be raised. L.E. 100 was allotted for the work, but it was found later that this sum was not sufficient to meet the expense of transporting soil to this area ; it was, also discovered that the actual area was far more extensive than was at first estimated, it was, therefore, proposed to include a sum of L.E. 850 in next year's budget for the purpose of carrying out this work.

### III.—Maintenance of Malaria works in the Canal Zone.

A sum of L.E. 400 was placed this year, at the disposal of the Department of Public Health for the cleansing of the drains constructed in the localities of Kubri and Abu Gamûs ; vegetation grows in these drains preventing the proper flow of water and in consequence they become good breeding grounds for mosquitoes. An Overseer was appointed for each of these areas at a daily wage of P.T. 20 per day two labourers were also employed, each receiving P.T. 10 per day. The overseer was instructed, in addition to his duty of controlling the labourers, to issue quinine both for the prevention and the cure of malaria. The number of quinine tablets issued was 5,000.



At the end of 1924, it was found that the number of labourers appointed for the kubri area was not sufficient owing to the large number of drains; eight more men were, therefore employed in addition. A sum of L.E. 320 was placed at the disposal of the Main Drainage Department for the up-keep of the drains and their efficient cleansing.

*IV.—The drainage of an Area of Lake Manzala opposite to Kantara.*

The Malaria Commission drained, during the war a large area of Lake Manzala, 6,300 feddans in extent, to the West of Kantara Station, by throwing a barrier across that portion of the lake; the cost of this work amounted to L.E. 10,000 which was distributed over several years.

Anophelene Mosquitoes which were previously plentiful in this district have now become rare. It was discovered during the last few years that some Arabs had secretly cultivated parts of this land; in order to irrigate it they had adopted the practice of cutting the bank of the sweet water canal supplying Port Saïd. The area of land cultivated in this way amounted to more than 2,000 feddans. The cultivation of these areas in this manner converts them into anopheline breeding grounds; owing to easy communications between this country and Syria and Palestine which are known to be infected with malaria, there is considerable danger from this state of affairs. For this reason and also on account of the economic value of the land to the Government, the Administration of the State Domains proposed to make use of it either by cultivating or by leasing it.

The P.H.D. was consulted on the matter, and, acting on its proposal, a Committee was formed, consisting of delegates from the following bodies:—

The Malaria Commission, The Irrigation Department, the State Domains Administration and the Department of Public Health. The duty delegated to this Committee was to investigate this area and to draw up a scheme of measures for improvement. The Committee visited the locality and draw up an important report copies of which were distributed to the Departments concerned. It recommended the execution of the schemes as drawn up by the State Domains Administration. If this proposal is agreed to in principle, the following measures will be adopted:—

1. The State Domains Administration will ask for permission from the Ministry of Public Works to irrigate an area of 6,300 feddans permanently.

2. The State Domains Administration will ask the Ministry of Finance to write to the Canal Co. and propose permanent irrigation of this area and come if possible to an agreement with the said company on this question.

3. The State Domains Administration will have to take the following steps:—

(a) An estimate will require to be drawn up of the necessary expenditure entailed in reclaiming this area at Government expense, or for the purpose of renting it or disposing of it by sale.

(b) To draw up in consultation with the Departments of Irrigation and Public Health, the conditions necessary in the case of the State Domains Administration cultivating, renting or selling this area respectively.

Even if the Committee's proposal is agreed to, exchange of correspondence in connection with the scheme will involve a considerable time; as the present methods of Irrigation and drainage at Kantara are a menace to Public Health, the Committee considers that the State Domains should proceed to carry out the following works:—

(a) To fill in the pits near the East side of the bank surrounding the said area.

(b) To instal pipes provided with sluice gates under the bank at the commencement of drainage channels to control the water flowing into them.

(c) To fill in or cover all wells in order to prevent them from becoming breeding grounds for mosquitoes.

(d) To fill in all trenches, canals and pits where water accumulates and is unable to drain away.

It will be necessary to appoint an overseer who should reside at Kantara, to regularly inspect these works as they are being carried out.



This report is now being studied by the Ministries and Departments concerned.

#### *Oases.*

Only a few malaria works still remain to be carried out in Sîwa and Kharga Oases other than the works of maintenance.

The following amounts were allotted for the malaria works in the Oases.

L.E. 500 for Sîwa Oases for expenditure on :

1. Constructing new subsidiary drains.

2. Improving the water tanks erected for storing water for the inhabitants, near springs and wells in order to prevent the formation of breeding grounds for mosquitoes.

3. Constructing a main drain for the purpose of draining water from all private drains in Abu Said area.

4. Filling in some pits.

All the above mentioned works were carried out.

#### *Kharga Oases.*

1. Upkeep of the manholes constructed on Ein el Sheikh and Biukhra drains.

2. Making some repairs in Biukhra drain.

3. Filling in of the birka known by the name of Birket Sequt.

The total cost of these works amounted to L.E. 441.

#### *Dakhla Oases.*

Prophylactic measures against malaria were instituted for the first time in this Oasis during the year. These measures consisted in the distribution of quinine for the prevention and cure of the disease as is carried out in all places where malaria exists.

Rice growing was restricted around the villages so that a distance of at least 500 metres intervened between the rice fields and habitations as is carried out in the Kharga Oases.

The Commission also allotted a sum of L.E. 200 to fill in some birkas at Mût el Hendaw and El Hamra ; L.E. 195 of this sum were expended for this purpose.

#### *Agricultural Areas.*

The most important agricultural area dealt with by the Commission during the year was the el Gebel Asfar Zone previously referred to in last year's report ; this was undertaken on account of the large amount of malaria occurring among the inhabitants of the Sewage Farm and of the villages of Marg and Qalag. The disease was also widespread among the patients and staff of the Khanka Lunatic Asylum ; the number of cases recorded was 655 ; of these 382 were among patients and 273 among the staff. The filling in of the Birka mentioned in last year's report was suspended as it was found that it did not lead to the desired object, namely, the prevention of the appearance of infiltration water in another lowlying area.

A committee was then formed, at the request of the Department of Public Health composed of Delegates from the Departments of Public Health, Irrigation and Main Drainage to examine the question from every point of view. The Committee drew up a detailed report in which it redommended the taking of certain measures ; it had previously carried out chemical and bacteriological investigations which proved that all waters emanating from this source were not contaminated.

The following are the measures suggested by the committee :—

1. To construct a drain for draining the waters of this Birka into the Belbeis Drain ; it should pass through the Akrissha Birka in order to drain this also. The drain should begin at a distance of 250 meters from the agricultural land in order to ensure purification of the infiltration water before flowing out into the drain.



2. To construct an embankment at the edge of the farm opposite to the Birka. This embankment should be 5 metres at the base and two metres at the top, in order to prevent any possibility of surface drainage proceeding into the drain, as the farm labourers have a habit of draining the excess of water which is sewage polluted from the agricultural land, direct into the birka by means of small surface channels.

3. A delegate of the Department of Public Health should inspect the farm from time to time in order to ascertain that the proposed scheme is working efficiently.

The Committee should also assemble from time to time to discuss hygienic questions in connection with the farm ; samples of water should be taken for chemical examination when pollution is suspected, as the results of Bacteriological examination of water in such circumstances is not conclusive.

4. To increase the area of the farm in proportion to the quantity of water conducted to it by the sewage disposal system of Cairo.

The Department of Public Health added the following suggestions :—

1. The Ministry of Public Works should begin as soon as possible to make full investigations as to the level of infiltration water on the farm land and the land in its vicinity in order to formulate plans for the drain which is proposed to be constructed.

2. To leave an area of at least 500 metres free from plantation between this drain and the farm boundaries ; this may necessitate the alteration of these boundaries.

3. To prevent the formation of any pits resulting from the construction of a bank round the farm land.

4. Fixing a sluice-gate where the new drain enters Bilbeis drain. This gate will enable the new drain to be closed should its contents be temporarily polluted, and so prevent pollution of the water in the Bilbeis drain.

Should such a condition arise, necessary measures could be taken to sterilize the contents of the new drain.

5. To plant a row of trees, such as the Eucalyptus, around the farm.

6. The Ministry of Public Works must make the necessary arrangements in the Budget for El Gebel el Asfar, for the creation of a post of Medical Officer. This Medical Officer will be attached to the Department of Public Health and will be entrusted with the control of the sanitary condition of the farm as well as the health of its staff.

7. The Department of Public Health considers it unnecessary to spend any further sums of money at present to increase the number of infiltration basins at present existing on the Farm of Gebel el Asfar.

In order to mitigate the difficulties of the present state of affairs until the construction of the drain, the Committee suggested that the following steps should be taken :—

1. To drain the water of the birka into the desert in order to dry the lowlying parts.

2. To remove grass from the edges of the birka and the land of the farm.

3. To drain the remaining water by means of channels, which will be specially constructed for this purpose, and in which kerosene oil will be put once every ten days.

4. To stock the birka with fish.

5. To appoint a Medical Officer to supervise the inhabitants of the farm and to undertake their treatment when suffering from Malaria and other diseases.

6. To distribute quinine.

As the disease appeared in most places in this area, the Department of Public Health proposed that a survey of all mosquito breeding grounds existing there, should be made. As a result of this, the following places were found to be breeding grounds :—

#### *I.—Marg Village.*

1. The lowlying areas on both sides of the Saltuhia Canal become inundated when this canal is full of water, and are then converted into marshy land.

2. Stagnant water remains in the bottom of the Canal after it has been closed.



3. Borrow-pits exist on both sides of the Railway line from Ezbet el Nakhl to Marg and from Marg to Kalag; they contain small collections of water in which herbs and grass grow.

4. Some unused saquias.

The percentage of enlarged spleens among the inhabitants was 19 per cent.

## II.—*Qalag.*

1. A small pond at a distance of 50 metres from the area situated between a private drain and belbeis drain.

2. Fosses of the latrines of mosques which become full of stagnant water, and in addition the wells situated in these mosques.

The percentage of enlarged spleens among the inhabitants of this village was 31 per cent.

## III.—*Khanka.*

1. Lowlying land situated to the south of the village which becomes inundated with infiltration water during the Nile Flood.

2. A large birka situated to the West of the Station and the north of the village.

## IV.—*Abu Za'bal.*

1. A great number of birkas, some of which belong to the inhabitants and others to the Government, situated in the vicinity of the course of a proposed drain which it is intended to construct for the purpose of draining the Gebel el Asfar Birka.

2. Three birkas in the middle of quarries in which prisoners work.

Percentage of enlarged spleens among the inhabitants of this village is 11 per cent.

In view of this state of affairs, the Department of Public health asked the Malaria Commission to take the necessary steps for drawing up a comprehensive scheme for the drainage of the water existing in all parts of this area. The Malaria Commission requested the Irrigation Department to take the necessary action and the question is now under consideration by this Department.

The Abu Zabab Birkas and the disused saquias in the proximity of the above-mentioned villages were stocked with fish; the E.S.R. Administration and the Prisons Department were approached as regards the precautions to be taken with the birkas belonging to them.

The construction of the drain proposed by the Committee was commenced. The Marg and Abu Za'bal railway line was deviated at Abu Za'bal Station in order to construct a new low level culvert, but the delay due to Administrative formalities and to the expropriation of the land, required for this purpose, caused the postponement of the work until February 15, 1925.

The work of excavation as regards the drain is being rapidly carried out; the lowering of the culvert has begun and will soon be completed.

The cost of this work was estimated at L.E. 4,500, but only L.E. 1,556 of this amount has been expended during the year.

## V.—*Derr.*

A sum of L.E. 90 was allotted for the up-keep of the works carried out by the Malaria Commission at Derr. These works comprise the removal of vegetation and grass from wells and saquias, the filling in of small pits in which mosquitoes breed and the stocking with fish of these breeding grounds. An overseer and a labourer were appointed for this purpose; in addition, they were entrusted with the distribution of quinine for the prevention and cure of the disease.

## VI.—*Saft el Enab.*

Nothing was accomplished in this village owing to the delay resulting from expropriation formalities.

A sum of L.E. 350 was earmarked for this work, but nothing of it was expended.



#### DISTRIBUTION OF FISH.

A sum of L.E. 600 was allotted for the purpose and placed at the disposal of this Department. Two labourers were engaged for this work.

The birkas are being stocked with two varieties of fish ; the latter are also being placed in wells and abandoned saquias situated in the interior of Mûdiriya towns, markazes, bandars and all towns with local or village Commissions or sanitary outposts : birkas situated at a distance of 500 metres from the boundaries of these localities are similarly treated.

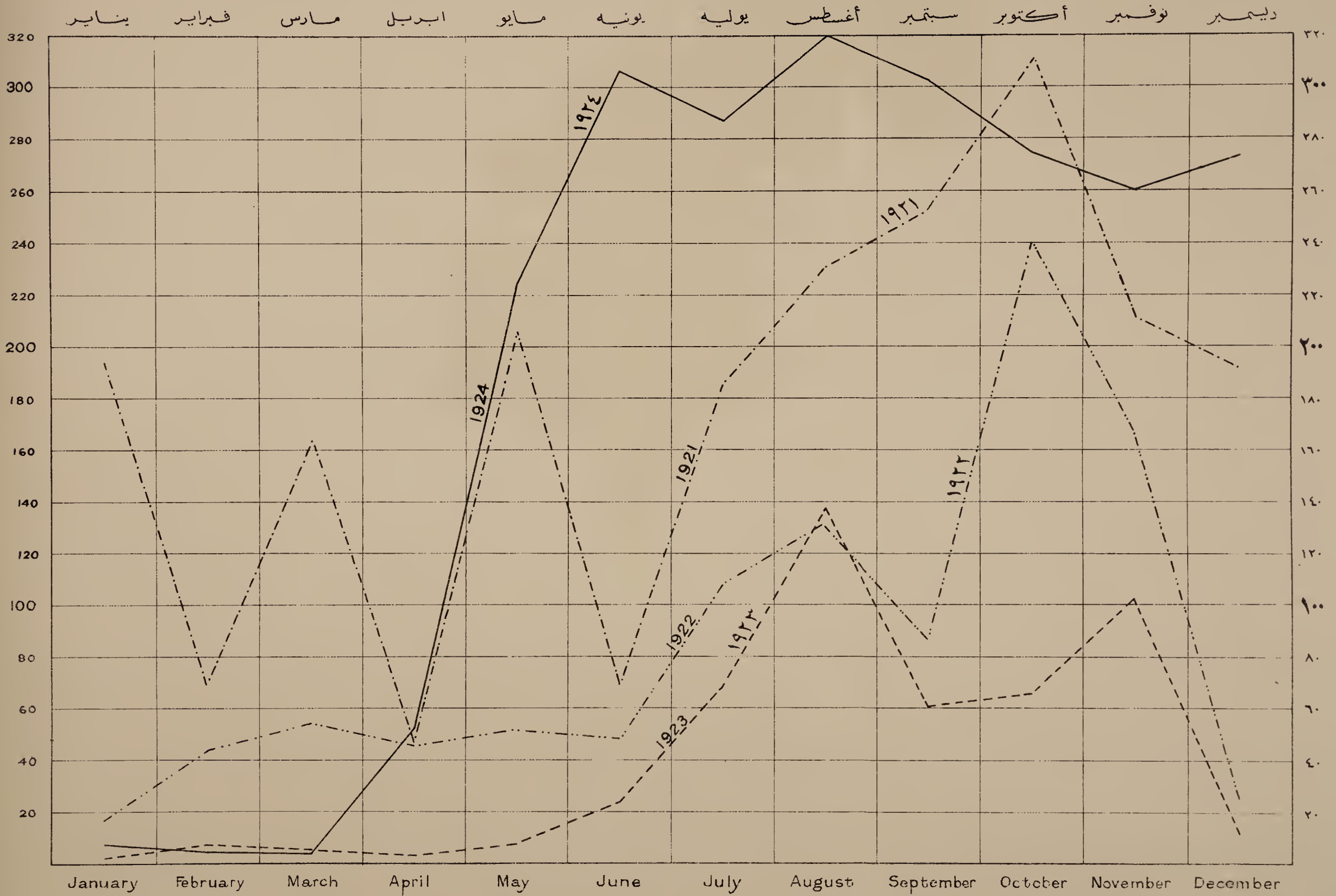
37,200 Bolti fish were put in 78 birkas covering an area of 386,945 square metres.

The other variety of fish is the Cypronoden which is brought from the Manzala Lake near Port Said. These fish being removed from salt water, must first be acclimatized in fresh water after which they can be transferred to birkas and wells.

16,620 Cypronoden fish were distributed in 43 birkas covering 159,300 square metres in area.

Graph N°1 of Malaria Cases recorded during the  
years 1921, 1922, 1923 & 1924 throughout Egypt.

الرسم التخطيطي رقم ١ عن اصابات الملاريا التي قيّدت في سني  
١٩٢١، ١٩٢٢، ١٩٢٣، ١٩٢٤ في جميع انحاء القطر

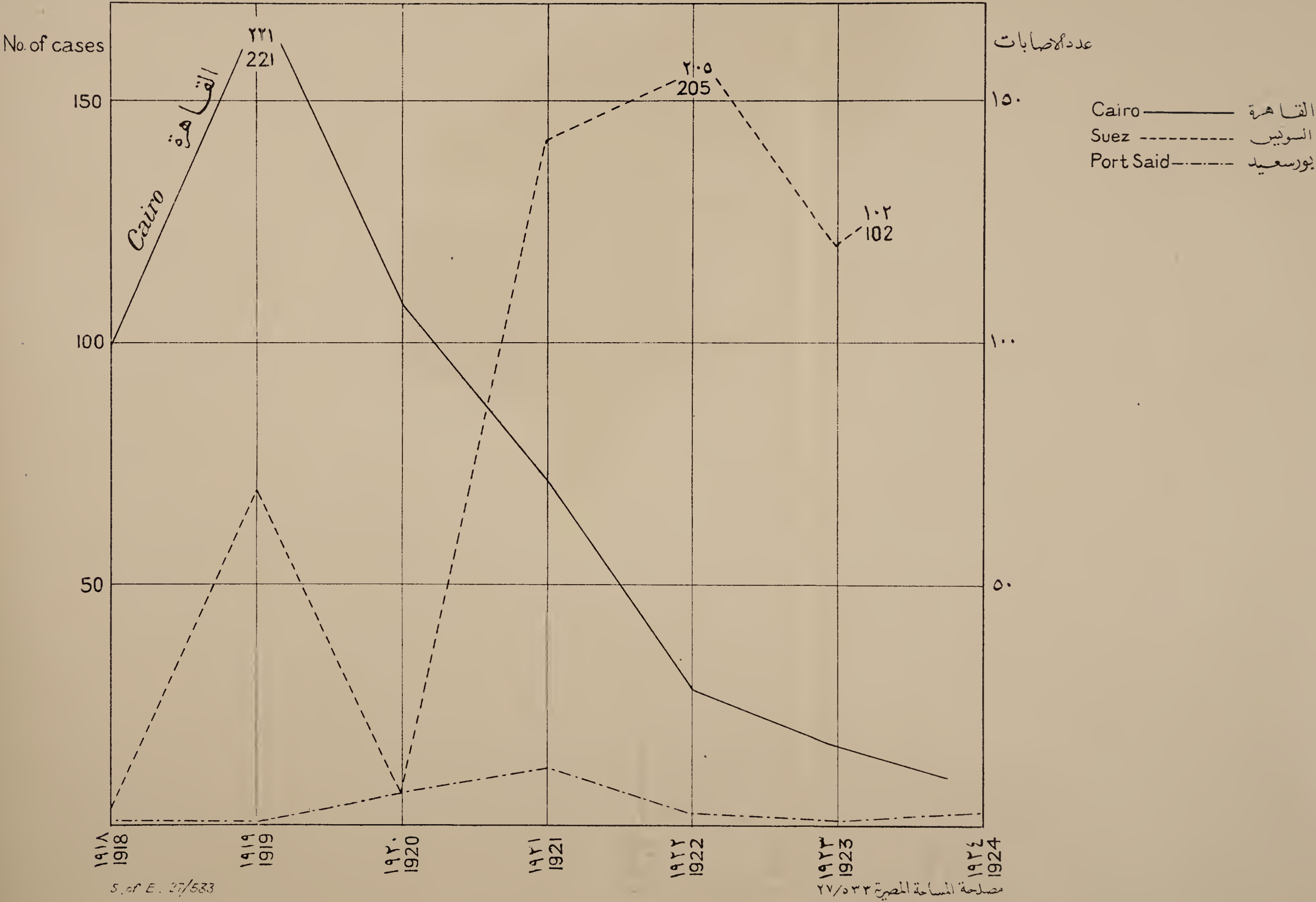






الرسم رقم ٢ عن اصابات الملاريا في القاهرة وفي منطقة القناة من سنة ١٩١٨ الى سنة ١٩٢٤

GRAPH No.2 OF MALARIA CASES OCCURRING IN CAIRO AND THE CANAL ZONE DURING THE  
PERIOD FROM 1918 TO 1924







FRONTIERS MEDICAL SECTION.

This Section was detached from the Frontiers Administration and attached to this Department with effect from April 1, 1924.

The Budget provision for 1924 -1925 amounted to L.E. 18,690 as compared with 18,728 in 1923-1924. This amount includes grants for repairs and erection of new buildings.

The number of in-patients treated in the F.D.A. Section Hospitals was 1932 an increase of 120 over the previous year.

The number of out-patients 66,771 shows an increase of 1,721 over the 1923 figure.

The seven dispensaries did good work during the year. The number of patients treated being 20,205.

The number of operations performed during the year was 637 of which 570 were reported successful, 57 relieved and 10 not improved.

3,096 persons were vaccinated of which number 2,755 are reported successful, the remaining 341 were revaccinated.

In pursuance of instructions issued with regard to persons entering Egypt by the Western and Southern Frontiers 2,036 persons were medically examined, vaccinated and deloused.

Malaria incidence in F.D. Areas shows a decline though not very marked. This subject as presumed, will be dealt with in the report of the Anti-Malaria expert. Statistics are hereunder mentioned.

ANNUAL GENERAL RETURN OF BIRTHS AND DEATHS REGISTERED IN THE FRONTIER DISTRICTS AERAS DURING THE YEAR 1924.

| POPULATION. | BIRTHS.    |             |        |           | DEATHS.    |             |        |           |
|-------------|------------|-------------|--------|-----------|------------|-------------|--------|-----------|
|             | Egyptians. | Foreigners. | Total. | per 1000. | Egyptians. | Foreigners. | Total. | per 1000. |
| 74,278      | 3,259      | 6           | 3,265  | 43        | 2,032      | 4           | 2,036  | 27.5      |

INFANT MORTALITY.

| From 0 to 1 year. | From 1 to 10 years. | PROPORTION PER-CENT OF INFANT MORTALITY. |            |                     |
|-------------------|---------------------|--|------------|---------------------|
|                   |                     | Deaths under 1 year.                     |            | From 1 to 10 years. |
|                   |                     | To births.                               | To deaths. | To deaths.          |
| 502               | 485                 | 15.4                                     | 24.6       | 23.8                |

COMPARATIVE LIST.

|                        |     |     |     |     |     |      |       |     |     | 1923   | 1924   |
|------------------------|-----|-----|-----|-----|-----|------|-------|-----|-----|--------|--------|
| In-patients ...        | ... | ... | ... | ... | ... | ...  | ...   | ... | ... | 1,812  | 1,932  |
| Out-patients ...       | ... | ... | ... | ... | ... | ...  | ...   | ... | ... | 65,050 | 66,771 |
| Operations :—          |     |     |     |     |     |      |       |     |     |        |        |
|                        |     |     |     |     |     | 1923 | 1924  |     |     |        |        |
| Successful ...         |     |     |     |     |     | 523  | 570   |     |     |        |        |
| Relieved ...           |     |     |     |     |     | 45   | 57    |     |     |        |        |
| Not improved ...       |     |     |     |     |     | 7    | 10    |     |     |        |        |
|                        |     |     |     |     |     |      |       |     |     | 575    | 537    |
| Vaccinations :—        |     |     |     |     |     |      |       |     |     |        |        |
| Successful ...         |     |     |     |     |     | —    | 2,755 |     |     |        |        |
| Unsuccessful ...       |     |     |     |     |     | —    | 341   |     |     |        |        |
|                        |     |     |     |     |     |      |       |     |     | 3,063  | 3,096  |
| Eye Diseases ...       |     |     |     |     |     |      |       |     |     | 13,526 | 12,168 |
| Venereal Diseases ...  |     |     |     |     |     |      |       |     |     | 861    | 304    |
| Infectious-Diseases :— |     |     |     |     |     |      |       |     |     |        |        |
| Malaria ...            |     |     |     |     |     |      |       |     |     | 862    | 777    |
| Small pox ...          |     |     |     |     |     |      |       |     |     | 1      | 7      |
| Measles ...            |     |     |     |     |     |      |       |     |     | 116    | 119    |
| Diphtheria ...         |     |     |     |     |     |      |       |     |     | —      | 3      |
| Typhoid ...            |     |     |     |     |     |      |       |     |     | 2      | 5      |
| Typhus ...             |     |     |     |     |     |      |       |     |     | 1      | 21     |





# Report of the Principal Medical Officer of Health, Cairo City, for the Year 1924.

## I.—VITAL STATISTICS.

### (a) POPULATION.

The estimated mid-year population of Cairo in 1924 was 804,200 consisting of 734,500 Egyptians and 69,700 Foreigners.

The District distribution of this population has been calculated as follows :—

| DISTRICTS.                     | POPULATION.               |
|--------------------------------|---------------------------|
| Mûsky... ..                    | 24,900                    |
| Bâb el Sha'riya... ..          | 68,700                    |
| Ezbekîya ... ..                | 59,800                    |
| 'Abdin... ..                   | 62,900                    |
| Saiyeda Zeinab ... ..          | 80,700                    |
| Helwân ... ..                  | 11,700 (42,370)*          |
| Khalifa ... ..                 | 57,300                    |
| Darb el Ahmar ... ..           | 71,500                    |
| Gamâlîya ... ..                | 66,800                    |
| Shubra ... ..                  | 88,600                    |
| Bulâq ... ..                   | 98,700                    |
| Old Cairo ... ..               | 34,200                    |
| Wâyli ... ..                   | 78,400                    |
| <b>TOTAL CAIRO CITY ... ..</b> | <b>804,200 (834,870)*</b> |

\* This total includes all the villages of Helwân district.

These villages, estimated by the Statistical Department to have a population of 30,670 depend on Gîza Mudiria as regards registration of births and deaths but are dealt with by Cairo Inspectorate for all public health purposes. The Inspectorate's zymotic charts are therefore based on the total population of 834,870, but the comparative mid-year population and vital statistics table (Table IV) is calculated on the figure 804,200 for the reasons already stated in our Annual Report of 1919.

### (b) BIRTHS.

During 1924, 41,540 births occurred in Cairo. The annual birth-rate was therefore 51·6 per thousand of population as compared with 52·2 in the previous year. Of this total 40,858 were Egyptians and 682 non-Egyptians.

For the quinquennial period ending in 1924 the mean annual birth-rate was 50·6, the highest rate during this period being 53·5 in 1922 and the lowest in 1920 with 47·3 per thousand of population.

The highest District birth-rate in 1924 was in Boulaq where there were 65·1 births per thousand of population whilst the lowest rate occurred in Ezbekîya with 35·5.

*Still births.*—During 1924: 1,146 children were born dead, of these 1,137 were of Egyptian and 9 were of non-Egyptian parentage. This gives a rate of 2·8 still-births per hundred births as compared with 2·9 in 1923.



TABLE I.—DISTRICT BIRTHS AND BIRTH-RATES PER THOUSAND OF POPULATION.

| DISTRICTS.            | 1924    |        | 1923    |        | 1922    |        |
|-----------------------|---------|--------|---------|--------|---------|--------|
|                       | Births. | Rates. | Births. | Rates. | Births. | Rates. |
| Mûsky... ..           | 957     | 38·4   | 1,003   | 40·8   | 1,055   | 43·6   |
| Bâb el Sha'riya... .. | 3,435   | 50·0   | 3,482   | 51·6   | 3,584   | 54·1   |
| Ezbekîya ... ..       | 2,126   | 35·5   | 2,142   | 36·2   | 2,222   | 47·4   |
| Darb el Ahmar... ..   | 3,292   | 46·0   | 3,302   | 46·9   | 3,292   | 47·4   |
| ‘Abdîn ... ..         | 2,338   | 37·2   | 2,455   | 39·5   | 2,612   | 42·5   |
| Saiyeda Zeinab... ..  | 4,208   | 52·1   | 4,073   | 51·2   | 4,196   | 53·6   |
| Helwân ... ..         | 443     | 37·9   | 432     | 37·2   | 446     | 38·8   |
| Khalîfa ... ..        | 3,233   | 56·4   | 3,254   | 58·0   | 3,262   | 59·1   |
| Gamâlîya ... ..       | 3,529   | 52·8   | 3,527   | 53·7   | 3,597   | 61·6   |
| Shubra ... ..         | 5,219   | 58·9   | 5,014   | 57·8   | 4,844   | 57·1   |
| Bulâq ... ..          | 6,429   | 65·1   | 6,404   | 66·1   | 6,446   | 68·0   |
| Old Cairo ... ..      | 2,178   | 63·7   | 2,246   | 66·8   | 2,086   | 63·0   |
| Wâyli ... ..          | 4,153   | 53·0   | 3,975   | 51·6   | 3,954   | 52·2   |
| TOTAL CAIRO CITY ...  | 41,540  | 51·6   | 41,309  | 52·2   | 41,596  | 53·5   |

(c) DEATHS.

During 1924 a total of 27,797 deaths occurred in Cairo, of these however 676 were deaths of non-residents, leaving 27,121 for Cairo proper.

This gives an annual death-rate of 33·7 per thousand of population as compared with a rate of 35·6 for 1923 and 34·3 for 1922.

For the quinquennial period ending with the present year the mean annual rate was 34·1 per thousand with a maximum during the period of 36·3 in 1920 and a minimum of 30·8 in 1921.

The lowest mortality occurred in Helwân with a death-rate of 23·8 per thousand of population as against 25·9 per thousand in Ezbekîya in 1923 and 22·7 in 1922 also in Ezbekîya.

The highest District mortality was in Old Cairo with a death-rate of 45·7 per thousand of population as compared with 49·0 in 1923 and 46·4 in 1922.

Out of the total number of 27,121 for Cairo proper 26,523 were deaths of Egyptians and 598 of non-Egyptians.

TABLE II.—DISTRICT DEATHS AND DEATH-RATES PER THOUSAND OF POPULATION.

| DISTRICTS.              | 1924    |        | 1923    |        | 1922    |        |
|-------------------------|---------|--------|---------|--------|---------|--------|
|                         | Deaths. | Rates. | Deaths. | Rates. | Deaths. | Rates. |
| Mûsky ... ..            | 666     | 26·7   | 694     | 28·2   | 679     | 28·1   |
| Bâb el Sha'riya ... ..  | 2,104   | 30·6   | 2,327   | 34·5   | 2,153   | 32·5   |
| Ezbekîya ... ..         | 1,495   | 25·0   | 1,532   | 25·9   | 1,460   | 22·7   |
| Darb el Ahmar ... ..    | 2,243   | 31·4   | 2,260   | 32·1   | 2,215   | 31·9   |
| ‘Abdîn ... ..           | 1,649   | 26·2   | 1,734   | 27·9   | 1,804   | 29·3   |
| Saiyeda Zeinab ... ..   | 2,569   | 31·8   | 2,608   | 32·8   | 2,622   | 33·5   |
| Helwân ... ..           | 279     | 23·8   | 318     | 27·4   | 280     | 24·3   |
| Khalîfa ... ..          | 2,134   | 37·2   | 2,091   | 37·3   | 2,233   | 40·4   |
| Gamâlîya ... ..         | 2,261   | 33·8   | 2,454   | 37·3   | 2,120   | 36·3   |
| Shubra ... ..           | 3,274   | 36·9   | 3,192   | 36·8   | 2,962   | 35·0   |
| Bulâq ... ..            | 4,176   | 42·3   | 4,586   | 47·3   | 4,140   | 43·7   |
| Old Cairo ... ..        | 1,562   | 45·7   | 1,645   | 49·0   | 1,536   | 46·4   |
| Wâyli ... ..            | 2,709   | 34·5   | 2,715   | 35·2   | 2,482   | 32·7   |
| TOTAL CAIRO CITY ... .. | 27,121  | 33·7   | 28,156  | 35·6   | 26,692  | 34·3   |

Chart I shows the maximum minimum and mean weekly death-rates for the period 1919–1923 with the weekly death-rates for 1924.

(d) INFANTILE MORTALITY.

9,980 children under one year of age died during 1924 giving an infantile mortality of 240 per thousand births for the whole city as compared with 230 in 1923 and 239 in 1922.

In addition there were 130 deaths of infants coming from outside Cairo and who died in various public institutions.

During the quinquennial period ending with the present year the mean annual infantile mortality rate was 237 per thousand births.

The highest rate during this period was 255 in 1920 and the lowest 220 in 1921 per thousand births.

As regards the various districts of the city the lowest infantile mortality rate occurred in Helwân with 160 infantile deaths per thousand births. Of the 9,980 deaths of children under the age of one year occurring in 1924, 9,898 were deaths of Egyptian and 82 of non Egyptian infants.

TABLE III.—DISTRICT INFANTILE MORTALITY RATE PER THOUSAND BIRTHS.

| DISTRICTS.              | 1924 | 1923 | 1922 |
|-------------------------|------|------|------|
| Mûsky ... ..            | 201  | 260  | 203  |
| Bâb el Sha'riya ... ..  | 220  | 219  | 215  |
| Ezbekîya ... ..         | 193  | 181  | 189  |
| Darb el Ahmar ... ..    | 243  | 234  | 238  |
| 'Abdîn ... ..           | 216  | 215  | 240  |
| Saiyeda Zeinab ... ..   | 221  | 185  | 218  |
| Helwân ... ..           | 160  | 236  | 186  |
| Khalîfa ... ..          | 251  | 235  | 248  |
| Gamaliya ... ..         | 227  | 231  | 211  |
| Shubra ... ..           | 248  | 229  | 238  |
| Bulâq ... ..            | 275  | 264  | 273  |
| Old Cairo ... ..        | 290  | 295  | 356  |
| Wâyli ... ..            | 242  | 226  | 229  |
| TOTAL CAIRO CITY ... .. | 240  | 230  | 239  |

Chart II shows the weekly infantile death-rates for 1924 as compared with the maximum, minimum and mean weekly rates for the period 1919–1923 per 100 births.

Chart III shows the principal causes of infantile deaths in 1924.

Chart IV shows the relationship between infantile mortality from diarrhoea and temperature.

The temperature curves shown are two :—

The minimum temperature and the average maximum temperature.

See the note on Summer Diarrhoea in Infancy in the Inspectorate's Report of 1923.

Table IV Comparative Mid-year Population and Vital Statistics of Cairo from 1911–1924.

Table V Population and Vital Statistics of the various Districts of Cairo for 1924.



TABLE IV.—COMPARATIVE MID-YEAR POPULATION AND VITAL STATISTICS OF CAIRO, 1911 TO 1924.

| YEAR. | Population. | Number of Deaths. | Death-rate per Thousand of Population. | Infantile Deaths. | Infantile death-rate per 1000 of Population. | Number of Births. | Birth-rates per Thousand of Population. |
|-------|-------------|-------------------|--|-------------------|--|-------------------|---|
| 1911  | 693,806     | 27,981            | 40·3                                   | 10,414            | 323  | 32,195            | 46·4                                    |
| 1912  | 704,956     | 26,385            | 37·4                                   | 9,549             | 303  | 31,655            | 44·8                                    |
| 1913  | 715,609     | 26,413            | 36·9                                   | 9,250             | 292  | 31,599            | 44·1                                    |
| 1914  | 725,670     | 26,128            | 36·0                                   | 8,875             | 283  | 31,314            | 43·1                                    |
| 1915  | 733,423     | 32,554            | 44·3                                   | 9,592             | 320  | 29,933            | 40·8                                    |
| 1916  | 740,000     | 28,320            | 38·3                                   | 9,208             | 295  | 31,170            | 42·1                                    |
| 1917  | 749,000     | 26,804            | 35·8                                   | 8,248             | 262  | 31,442            | 42·0                                    |
| 1918  | 760,008     | 37,568            | 49·4                                   | 9,242             | 329  | 28,047            | 36·9                                    |
| 1919  | 761,525     | 31,547            | 41·4                                   | 7,621             | 238  | 31,974            | 42·0                                    |
| 1920  | 761,300     | 27,619            | 36·3                                   | 9,164             | 255  | 35,984            | 47·3                                    |
| 1921  | 765,200     | 23,563            | 30·8                                   | 8,109             | 220  | 36,914            | 48·2                                    |
| 1922  | 777,500     | 26,692            | 34·3                                   | 9,954             | 239  | 41,596            | 53·5                                    |
| 1923  | 791,000     | 28,156            | 35·6                                   | 9,495             | 230  | 41,309            | 52·2                                    |
| 1924  | 804,200     | 27,121            | 33·7                                   | 9,980             | 240  | 41,540            | 51·6                                    |

TABLE V.—THE POPULATION AND VITAL STATISTICS OF CAIRO AND ITS QUARTERS IN 1924.

| DISTRICTS.             | Population. | Number of Deaths. | Death-rates per Thousand of Population. | Number of Births. | Birth-rates per Thousand of Population. | Number of Infantile Deaths (0-1 Year). | Infantile Mortality Rate per Thousand Births. |
|------------------------|-------------|-------------------|---|-------------------|---|--|---|
| Mûsky ... ..           | 24,900      | 666               | 26·7                                    | 957               | 38·4                                    | 192                                    | 201   |
| Bâb el Sha'riya ... .. | 68,700      | 2,104             | 30·6                                    | 3,435             | 50·0                                    | 755                                    | 220   |
| Ezbekiya ... ..        | 59,800      | 1,495             | 25·0                                    | 2,126             | 35·5                                    | 410                                    | 193   |
| 'Abdîn ... ..          | 62,900      | 1,649             | 26·2                                    | 2,338             | 37·2                                    | 505                                    | 216   |
| Saiyeda Zeinab ... ..  | 80,700      | 2,569             | 31·8                                    | 4,208             | 52·1                                    | 932                                    | 221   |
| Khalifa ... ..         | 57,300      | 2,134             | 37·2                                    | 3,233             | 56·4                                    | 813                                    | 251   |
| Helwân ... ..          | 11,700      | 279               | 23·8                                    | 443               | 37·9                                    | 71                                     | 160   |
| Darb el Ahmar ... ..   | 71,500      | 2,243             | 31·4                                    | 3,292             | 46·0                                    | 799                                    | 243   |
| Gamâliya ... ..        | 66,800      | 2,261             | 33·8                                    | 3,529             | 52·8                                    | 801                                    | 227   |
| Shubra... ..           | 88,600      | 3,274             | 36·9                                    | 5,219             | 58·9                                    | 1,294                                  | 248   |
| Bulâq ... ..           | 98,700      | 4,176             | 42·3                                    | 6,429             | 65·1                                    | 1,770                                  | 275   |
| Old Cairo ... ..       | 34,200      | 1,562             | 45·7                                    | 2,178             | 63·7                                    | 632                                    | 290   |
| Wâyli ... ..           | 78,400      | 2,709             | 34·5                                    | 4,153             | 53·0                                    | 1,006                                  | 242   |
| TOTAL FOR CAIRO ...    | 804,200     | 27,121            | 33·7                                    | 41,540            | 51·6                                    | 9,980                                  | 240   |

## II.—INFECTIOUS DISEASES.

## GENERAL.

The total of all infectious diseases reported during 1924 was 4,220 which includes 152 cases coming from outside Cairo so that the total for Cairo proper was 4,068 as compared with 4,674 in 1923.

Out of this total, 2,190, with a mortality of 666, were cases belonging to the eight principal diseases. The remainder include 949 cases of influenza, 403 of whooping cough, 202 of mumps, 17 of tetanus, 2 of malta fever, 52 of puerperal fever, 218 of chicken pox and 35 of rabies.

The rate per thousand of population for the eight principal diseases was 2,623 as compared with 3,880 in 1923 while the ratio of deaths to cases was 30·4 per cent as against 30·9 per cent in the previous year.

See Table VI, VII (with Fig. 1), VIII and IX.

*Small-pox.*

The total number of cases notified during the year 1924 was 205 as against 28 cases in the previous year, or 0·245 case per thousand of population.

There were 51 deaths from this disease, 36 of which were diagnosed after death. The death-rate per thousand of population was 0.061 and the ratio of deaths to cases recorded was 24.9 per cent. See Table X with Fig. II and Chart V.

It will be gathered from these figures that the disease assumed epidemic form this year

The disease was introduced from Embaba. The first case appeared in Ezbekiâya District on February 26, and the last case occurred on September 22, 1924.

The ages of the persons attacked by the disease afford some indication of the manner in which vaccinations have been performed by the Medical Officers of the Qisms during the preceding 5 years. Out of the total of 205 cases, 29 only were below 5 years of age.

Incidence of Small-pox cases according to ages :—

|                   |     |     |     |     |     |     |     |    |
|-------------------|-----|-----|-----|-----|-----|-----|-----|----|
| Under one year    | ... | ... | ... | ... | ... | ... | ... | 10 |
| From 1 to 5 years | ... | ... | ... | ... | ... | ... | ... | 19 |
| ,, 5 to 10        | ,,  | ... | ... | ... | ... | ... | ... | 22 |
| ,, 10 to 15       | ,,  | ... | ... | ... | ... | ... | ... | 32 |
| ,, 15 to 25       | ,,  | ... | ... | ... | ... | ... | ... | 67 |
| ,, 25 up          | ... | ... | ... | ... | ... | ... | ... | 55 |

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| TOTAL | ... | ... | ... | ... | 205 |
|-------|-----|-----|-----|-----|-----|

The Districts most affected were Bulâq 1,47 cases, ‘Abdin 47 and Ezbekiîya 30.

An analysis of the incidence of Small-pox in Cairo during the past 15 years is interesting as it shows a tendency to periodicity of the epidemic, the period being 5 years.

From the following list, it will be seen that the disease assumed epidemic form in 1909-1914, this latter epidemic having started at the end of 1913; 1919 this epidemic extending into the beginning of the year 1920; and 1924. The year 1916 constitutes an exception.

Cases occurred in Cairo during the past 15 years :—

[illegible]



The epidemic was less severe than previous epidemics, possibly on the account of the energetic measures that were taken as regards vaccinations. 27,614 vaccinations were performed of persons in the neighbourhood of cases and of persons who might be likely to come in contact with cases of the disease and distribute it widely.

Two vaccinating units were organized consisting each of a medical officer from the Inspectorate and a *sa'i*.

Vaccinations were carried out from 5 to 7 p.m. and from 9 to 11 p.m. in *cafés* frequented by Berberines and thus large numbers of this potentially dangerous class of the population were immunized against the disease.

TABLE VI.—INFECTIOUS DISEASES, 1914 TO 1924.

| YEAR. | Eight Prin-<br>cipal Diseases. | Other<br>Infectious<br>Diseases. | Total Number<br>of Notifiable<br>Diseases. | Deaths from<br>the Eight<br>Principal<br>Diseases. | Ratio of<br>Principal<br>Diseases per<br>Thousand of<br>Population. | Death-rates<br>of Eight Prin-<br>cipal Diseases<br>per Thousand<br>of Population. | Ratio of Deaths<br>of Eight<br>Principal Disea-<br>ses to Cases<br>recorded per<br>cent of<br>Population. |
|-------|--------------------------------|----------------------------------|--|--|---|---|---|
| 1914  | 4,878                          | 405                              | 5,283                                      | 1,610  | 6.722   | 2.218   | 33.0  |
| 1915  | 5,744                          | 409                              | 6,153                                      | 2,365  | 7.831   | 3.224   | 41.1  |
| 1916  | 6,771                          | 412                              | 7,183                                      | 2,836  | 9.150   | 3.832   | 41.8  |
| 1917  | 4,304                          | 672                              | 4,976                                      | 1,608  | 9.746   | 2.146   | 37.4  |
| 1918  | 8,268                          | 614                              | 8,882                                      | 3,397  | 10.535  | 4.328   | 41.1  |
| 1919  | 9,164                          | 708                              | 9,872                                      | 3,970  | 11.659  | 5.051   | 43.3  |
| 1920  | 4,838                          | 2,144                            | 6,982                                      | 1,493  | 6.155   | 1.899   | 30.9  |
| 1921  | 2,026                          | 2,733                            | 4,759                                      | 599  | 2.550   | 0.754   | 29.6  |
| 1922  | 2,555                          | 2,185                            | 4,740                                      | 850  | 3.165   | 1.053   | 33.3  |
| 1923  | 3,189                          | 1,485                            | 4,674                                      | 986  | 3.883   | 1.200   | 30.9  |
| 1924  | 2,190                          | 1,878                            | 4,220                                      | 666  | 2.623   | 0.797   | 30.4  |

TABLE VII.—ZYMOTIC DISEASES CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.             | Population. | Number of<br>Cases<br>recorded. | Cases<br>recorded<br>per Thousand<br>of Population. | Number<br>of Deaths. | Death-rate<br>per Thousand<br>of Population. | Ratio<br>of Deaths<br>to Cases<br>recorded.<br><br>Per cent. |
|------------------------|-------------|---------------------------------|---|----------------------|--|--|
| Mûsky ... ..           | 24,900      | 54                              | 2.168   | 17                   | 0.682  | 31.5   |
| Bâb el Sha'riya ... .. | 68,700      | 90                              | 1.310   | 23                   | 0.334  | 25.5   |
| Ezbekîya ... ..        | 59,800      | 235                             | 3.929   | 41                   | 0.685  | 17.4   |
| 'Abdîn ... ..          | 62,900      | 241                             | 3.831   | 51                   | 0.810  | 21.2   |
| Saiyeda Zeinab ... ..  | 80,700      | 240                             | 2.973   | 75                   | 0.929  | 31.2   |
| Khalifa ... ..         | 57,300      | 125                             | 2.181   | 58                   | 1.012  | 46.4   |
| Helwân ... ..          | 42,370      | 70                              | 1.652   | 11                   | 0.259  | 15.7   |
| Darb el Ahmar ... ..   | 71,500      | 102                             | 1.426   | 34                   | 0.475  | 33.3   |
| Gamâliya ... ..        | 66,800      | 80                              | 1.197   | 38                   | 0.568  | 47.5   |
| Shubra ... ..          | 88,600      | 271                             | 3.058   | 73                   | 0.823  | 26.9   |
| Bulâq... ..            | 98,700      | 255                             | 2.583   | 111                  | 1.124  | 43.5   |
| Old Cairo ... ..       | 34,200      | 95                              | 2.777   | 58                   | 1.695  | 61.0   |
| Wâyli ... ..           | 78,400      | 332                             | 4.234   | 76                   | 0.969  | 20.2   |
| TOTAL FOR CAIRO ...    | 834,870     | 2,190                           | 2.623   | 666                  | 0.797  | 30.4   |

TABLE VIII.—EIGHT PRINCIPAL INFECTIOUS DISEASES IN 1924.

Estimated mid-year population in 1920=785,941.  
" " " 1921=794,225.  
" " " 1922=807,090.  
" " " 1923=821,230.  
" " " 1924=834,870.

| DISEASE.                    | YEAR. | Number of<br>Cases<br>recorded. | Cases<br>recorded per<br>Thousand<br>of Population. | Number<br>of Deaths. | Death-rate<br>per<br>Thousand<br>of Population. | Ratio<br>of Deaths<br>to Cases<br>recorded. |
|-----------------------------|-------|---------------------------------|---|----------------------|---|---|
|                             |       |                                 |   |                      |   | Per cent.                                   |
| Small-pox ... ..            | 1920  | 157                             | 0·199   | 50                   | 0·063   | 31·8  |
|                             | 1921  | 5                               | 0·006   | 1                    | 0·001   | 20·0  |
|                             | 1922  | 24                              | 0·029   | 10                   | 0·012   | 41·7  |
|                             | 1923  | 28                              | 0·034   | 13                   | 0·015   | 46·4  |
|                             | 1924  | 205                             | 0·245   | 51                   | 0·061   | 24·9  |
| Measles ... ..              | 1920  | 1,325                           | 1·685   | 404                  | 0·514   | 30·5  |
|                             | 1921  | 282                             | 0·355   | 108                  | 0·135   | 38·3  |
|                             | 1922  | 982                             | 1·216   | 332                  | 0·411   | 33·8  |
|                             | 1923  | 1,418                           | 1·726   | 452                  | 0·550   | 31·8  |
|                             | 1924  | 175                             | 0·209   | 53                   | 0·063   | 30·3  |
| Scarlet fever ... ..        | 1920  | 39                              | 0·049   | 4                    | 0·005   | 10·3  |
|                             | 1921  | 66                              | 0·083   | 2                    | 0·002   | 3·0   |
|                             | 1922  | 68                              | 0·084   | 2                    | 0·002   | 2·9   |
|                             | 1923  | 29                              | 0·035   | 3                    | 0·003   | 11·1  |
|                             | 1924  | 82                              | 0·098   | —                    | —   | —   |
| Diphtheria ... ..           | 1920  | 329                             | 0·418   | 77                   | 0·097   | 23·4  |
|                             | 1921  | 438                             | 0·551   | 124                  | 0·156   | 28·3  |
|                             | 1922  | 418                             | 0·517   | 146                  | 0·180   | 34·9  |
|                             | 1923  | 619                             | 0·753   | 194                  | 0·236   | 31·3  |
|                             | 1924  | 711                             | 0·851   | 243                  | 0·291   | 34·2  |
| Typhoid fever ... ..        | 1920  | 925                             | 1·176   | 215                  | 0·273   | 23·2  |
|                             | 1921  | 669                             | 0·842   | 151                  | 0·190   | 22·6  |
|                             | 1922  | 859                             | 1·064   | 226                  | 0·280   | 26·3  |
|                             | 1923  | 969                             | 1·179   | 242                  | 0·294   | 25·0  |
|                             | 1924  | 901                             | 1·079   | 253                  | 0·303   | 28·1  |
| Typhus fever ... ..         | 1920  | 1,606                           | 2·043   | 705                  | 0·897   | 43·9  |
|                             | 1921  | 385                             | 0·484   | 200                  | 0·251   | 51·9  |
|                             | 1922  | 183                             | 0·226   | 124                  | 0·153   | 67·8  |
|                             | 1923  | 112                             | 0·136   | 77                   | 0·093   | 68·7  |
|                             | 1924  | 107                             | 0·128   | 60                   | 0·071   | 56·1  |
| Relapsing fever ... ..      | 1920  | 429                             | 0·545   | 23                   | 0·029   | 5·4   |
|                             | 1921  | 167                             | 0·210   | 8                    | 0·010   | 4·8   |
|                             | 1922  | 13                              | 0·016   | 4                    | 0·004   | 30·8  |
|                             | 1923  | 2                               | 0·002   | —                    | —   | —   |
|                             | 1924  | 1                               | 0·001   | —                    | —   | —   |
| Cerebro-spinal fever ... .. | 1920  | 28                              | 0·035   | 15                   | 0·019   | 53·4  |
|                             | 1921  | 14                              | 0·017   | 5                    | 0·006   | 35·7  |
|                             | 1922  | 8                               | 0·009   | 6                    | 0·007   | 75·0  |
|                             | 1923  | 12                              | 0·014   | 5                    | 0·006   | 41·7  |
|                             | 1924  | 8                               | 0·009   | 6                    | 0·007   | 75·0  |
| TOTALS ... ..               | 1920  | 4,838                           | 6·155   | 1,493                | 1·899   | 30·9  |
|                             | 1921  | 2,026                           | 2·550   | 599                  | 0·754   | 26·9  |
|                             | 1922  | 2,555                           | 3·165   | 850                  | 1·053   | 33·3  |
|                             | 1923  | 3,189                           | 3·883   | 986                  | 1·200   | 30·9  |
|                             | 1924  | 2,190                           | 2·623   | 666                  | 0·797   | 30·4  |



TABLE IX.—DISTRICT DISTRIBUTIONS OF THE PRINCIPAL ZYMOTIC DISEASES IN 1924.

| DISTRICTS.                                    | Population. | SMALL-POX. |         | RELAPSING FEVER. |         | CEREBRO-SPINAL FEVER. |         | TYPHUS FEVER. |         | TYPHOID FEVER. |         | SCARLET FEVER. |         | DIPHTHERIA. |         | MEASLES. |         | TOTALS. |         |
|---|-------------|------------|---------|------------------|---------|-----------------------|---------|---------------|---------|----------------|---------|----------------|---------|-------------|---------|----------|---------|---------|---------|
|   |             | Cases.     | Deaths. | Cases.           | Deaths. | Cases.                | Deaths. | Cases.        | Deaths. | Cases.         | Deaths. | Cases.         | Deaths. | Cases.      | Deaths. | Cases.   | Deaths. | Cases.  | Deaths. |
| Mûsky...                                      | 24,900      | 9          | 6       | —                | —       | 1                     | 1       | 6             | 3       | 25             | 4       | 6              | —       | 6           | 3       | 1        | —       | 54      | 17      |
| Bâb el Shâfiya...                             | 68,700      | 6          | —       | —                | —       | —                     | —       | 1             | 1       | 42             | 9       | 2              | —       | 35          | 12      | 4        | 1       | 90      | 23      |
| Ezbekiyya ...                                 | 59,800      | 30         | 4       | 1                | —       | 1                     | 1       | 4             | 2       | 124            | 24      | 18             | —       | 47          | 7       | 10       | 3       | 235     | 41      |
| ‘Abdîn ...                                    | 62,900      | 47         | 8       | —                | —       | —                     | —       | 6             | 5       | 99             | 26      | 19             | —       | 63          | 12      | 7        | 0       | 241     | 51      |
| Saiyeda Zeinab...                             | 80,700      | 7          | 1       | —                | —       | 1                     | 1       | 10            | 4       | 80             | 25      | 4              | —       | 114         | 38      | 24       | 6       | 240     | 75      |
| Khalifa ...                                   | 57,300      | 2          | 1       | —                | —       | —                     | —       | 14            | 12      | 40             | 16      | —              | —       | 57          | 25      | 12       | 4       | 125     | 58      |
| Helwân ...                                    | 42,370      | 1          | 1       | —                | —       | —                     | —       | 2             | 1       | 26             | 6       | 6              | —       | 34          | 3       | 1        | —       | 70      | 11      |
| Darb el Ahmar...                              | 71,500      | 5          | —       | —                | —       | —                     | —       | 10            | 4       | 36             | 10      | 1              | —       | 40          | 15      | 10       | 5       | 102     | 34      |
| Gamâliya ...                                  | 66,800      | 3          | 1       | —                | —       | 1                     | —       | 15            | 6       | 26             | 10      | —              | —       | 21          | 10      | 14       | 11      | 80      | 38      |
| Shubra ...                                    | 88,600      | 11         | 2       | —                | —       | —                     | —       | 8             | 6       | 113            | 27      | 5              | —       | 108         | 34      | 26       | 4       | 271     | 73      |
| Bulâq ...                                     | 98,700      | 59         | 22      | —                | —       | —                     | —       | 9             | 4       | 87             | 47      | 1              | —       | 59          | 29      | 40       | 9       | 255     | 111     |
| Old Cairo ...                                 | 34,200      | 8          | 3       | —                | —       | 1                     | 1       | 3             | 1       | 28             | 20      | —              | —       | 40          | 23      | 15       | 10      | 95      | 58      |
| Wâyli ...                                     | 78,400      | 17         | 2       | —                | —       | 3                     | 2       | 19            | 11      | 175            | 29      | 20             | —       | 87          | 32      | 11       | —       | 332     | 76      |
| TOTAL FOR CAIRO ...                           | 834,870     | 205        | 51      | 1                | —       | 8                     | 6       | 107           | 60      | 901            | 253     | 82             | —       | 711         | 243     | 175      | 53      | 2,190   | 666     |
| Extra urban Admissions to Cairo Hospitals ... |             | 23         | —       | —                | —       | —                     | —       | 3             | —       | 53             | 2       | 1              | —       | 12          | 1       | 6        | —       | 98      | 3       |
| TOTALS ...                                    |             | 228        | 51      | 1                | —       | 8                     | 6       | 110           | 60      | 954            | 255     | 83             | —       | 723         | 244     | 181      | 53      | 2,288   | 669     |

TABLE X.—SMALL-POX CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.             | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rates per Thousand of Population. | Ratio of Deaths to Cases recorded.<br>Per cent. |
|------------------------|-------------|---------------------------|--|-------------------|---|---|
| Mûsky... ..            | 24,900      | 9                         | 0·361                                      | 6                 | 0·240                                   | 66·7  |
| Bâb el Sha'riya ... .. | 68,700      | 6                         | 0·087                                      | —                 | —                                       | —   |
| Ezbekiya ... ..        | 59,800      | 30                        | 0·501                                      | 4                 | 0·066                                   | 13·3  |
| 'Abdîn ... ..          | 62,900      | 47                        | 0·747                                      | 8                 | 0·127                                   | 17·0  |
| Saiyeda Zeinab... ..   | 80,700      | 7                         | 0·086                                      | 1                 | 0·012                                   | 14·3  |
| Khalifa ... ..         | 57,300      | 2                         | 0·034                                      | 1                 | 0·017                                   | 50·0  |
| Helwân ... ..          | 42,370      | 1                         | 0·023                                      | 1                 | 0·023                                   | 100·0   |
| Darb el Ahmar ... ..   | 71,500      | 5                         | 0·069                                      | —                 | —                                       | —   |
| Gamâliya ... ..        | 66,800      | 3                         | 0·044                                      | 1                 | 0·014                                   | 33·3  |
| Shubra ... ..          | 88,600      | 11                        | 0·124                                      | 2                 | 0·022                                   | 18·2  |
| Bulâq ... ..           | 98,700      | 59                        | 0·597                                      | 22                | 0·222                                   | 37·3  |
| Old Cairo ... ..       | 34,200      | 8                         | 0·233                                      | 3                 | 0·087                                   | 37·5  |
| Wâyli... ..            | 78,400      | 17                        | 0·216                                      | 2                 | 0·025                                   | 11·8  |
| TOTAL FOR CAIRO ...    | 834,870     | 205                       | 0·245                                      | 51                | 0·061                                   | 24·9  |

*Measles.*

The total number of cases recorded in 1924 was 175 as against 1,418 in the previous year. This gives a rate of 0·209 per thousand of population.

There were 53 deaths from this disease, all of which were diagnosed after death. This is an indication that large numbers of cases were never declared but recovered and so were never heard of.

The death-rate per thousand of population was 0·063 whilst the ratio of deaths to cases notified was 30·03 per cent. See Table XI with Figure III. and Chart VI.

TABLE XI.—MEASLES CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.             | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded.<br>Per cent. |
|------------------------|-------------|---------------------------|--|-------------------|--|---|
| Mûsky... ..            | 24,900      | 1                         | 0·040                                      | —                 | —                                      | —   |
| Bâb el Sha'riya... ..  | 68,700      | 4                         | 0·058                                      | 1                 | 0·014                                  | 25·0  |
| Ezbekiya ... ..        | 59,800      | 10                        | 0·167                                      | 3                 | 0·050                                  | 30·0  |
| 'Abdîn ... ..          | 62,900      | 7                         | 0·111                                      | —                 | —                                      | —   |
| Saiyeda Zeinab... ..   | 80,700      | 24                        | 0·297                                      | 6                 | 0·074                                  | 25·0  |
| Khalifa ... ..         | 57,300      | 12                        | 0·209                                      | 4                 | 0·069                                  | 33·3  |
| Helwân ... ..          | 42,370      | 1                         | 0·023                                      | —                 | —                                      | —   |
| Darb el Ahmar ... ..   | 71,500      | 10                        | 0·139                                      | 5                 | 0·069                                  | 50·0  |
| Gamâliya ... ..        | 66,800      | 14                        | 0·209                                      | 11                | 0·164                                  | 78·6  |
| Shubra ... ..          | 88,600      | 26                        | 0·293                                      | 4                 | 0·045                                  | 15·4  |
| Bulâq ... ..           | 98,700      | 40                        | 0·405                                      | 9                 | 0·091                                  | 22·5  |
| Old Cairo ... ..       | 34,200      | 15                        | 0·438                                      | 10                | 0·029                                  | 66·7  |
| Wâyli... ..            | 78,400      | 11                        | 0·140                                      | —                 | —                                      | —   |
| TOTAL FOR CAIRO ... .. | 834,870     | 175                       | 0·209                                      | 53                | 0·063                                  | 30·3  |

*Scarlet Fever.*

There were 82 cases notified but no deaths during the year 1924 as compared with 29 cases in 1923.

This gives a case-rate per thousand of population of 0·098. Of the total number of cases, 29 were Egyptians, others being 9 French, 10 English, 6 Greeks, 8 Jews, 3 Syrians, 5 Armenians, 1 Dutch, 6 Italians and 1 Belgian. See Table XII, Figure IV and Chart VII.



TABLE XII.—SCARLET FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.            | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded. |
|-----------------------|-------------|---------------------------|--|-------------------|--|------------------------------------|
|                       |             |                           |  |                   |  | Per cent.                          |
| Mûsky... ..           | 24,900      | 6                         | 0·240                                      | —                 | —                                      | —                                  |
| Bâb el Sha'riya... .. | 68,700      | 2                         | 0·029                                      | —                 | —                                      | —                                  |
| Ezbekiya ... ..       | 59,800      | 18                        | 0·301                                      | —                 | —                                      | —                                  |
| ‘Abdîn... ..          | 62,900      | 19                        | 0·302                                      | —                 | —                                      | —                                  |
| Saiyeda Zeinab ... .. | 80,700      | 4                         | 0·049                                      | —                 | —                                      | —                                  |
| Khalifa ... ..        | 57,300      | —                         | —  | —                 | —                                      | —                                  |
| Helwân ... ..         | 42,370      | 6                         | 0·141                                      | —                 | —                                      | —                                  |
| Darb el Ahmar ... ..  | 71,500      | 1                         | 0·013                                      | —                 | —                                      | —                                  |
| Gamâliya ... ..       | 66,800      | —                         | —  | —                 | —                                      | —                                  |
| Shubra ... ..         | 88,600      | 5                         | 0·056                                      | —                 | —                                      | —                                  |
| Bulâq ... ..          | 98,700      | 1                         | 0·010                                      | —                 | —                                      | —                                  |
| Old Cairo ... ..      | 34,200      | —                         | —  | —                 | —                                      | —                                  |
| Wâyli ... ..          | 78,400      | 20                        | 0·255                                      | —                 | —                                      | —                                  |
| TOTAL FOR CAIRO ...   | 834,870     | 82                        | 0·098                                      | —                 | —                                      | —                                  |

*Diphtheria.*

The total number of cases recorded in 1924 was 711 as compared with 619 in 1923 and 418 in 1922. This gives a rate of 0·851 per thousand of population. The total number of deaths was 243, giving a death-rate of 0·291 per thousand of population and a ratio of 34·2 per hundred cases notified.

Of the total deaths, 186 were found dead. The highest case-rate occurred in Saiyeda Zeinab being 1·412 per thousand of population. See Table XIII, Figure V and Chart VIII.

TABLE XIII.—DIPHTHERIA CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.             | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded. |
|------------------------|-------------|---------------------------|--|-------------------|--|------------------------------------|
|                        |             |                           |  |                   |  | Per cent.                          |
| Mûsky... ..            | 24,900      | 6                         | 0·240                                      | 3                 | 0·120                                  | 50·0                               |
| Bâb el Sha'riya... ..  | 68,700      | 35                        | 0·509                                      | 12                | 0·174                                  | 34·3                               |
| Ezbekiya ... ..        | 59,800      | 47                        | 0·785                                      | 7                 | 0·117                                  | 14·9                               |
| ‘Abdîn... ..           | 62,900      | 63                        | 1·001                                      | 12                | 0·190                                  | 19·0                               |
| Saiyeda Zeinab ... ..  | 80,700      | 114                       | 1·412                                      | 38                | 0·470                                  | 33·3                               |
| Khalifa ... ..         | 57,300      | 57                        | 0·994                                      | 25                | 0·436                                  | 43·9                               |
| Helwân ... ..          | 42,370      | 34                        | 0·802                                      | 3                 | 0·070                                  | 8·8                                |
| Darb el Ahmar ... ..   | 71,500      | 40                        | 0·559                                      | 15                | 0·209                                  | 37·5                               |
| Gamâliya ... ..        | 66,800      | 21                        | 0·314                                      | 10                | 0·149                                  | 47·6                               |
| Shubra ... ..          | 88,600      | 108                       | 1·218                                      | 34                | 0·383                                  | 31·5                               |
| Bulâq ... ..           | 98,700      | 59                        | 0·597                                      | 29                | 0·293                                  | 49·1                               |
| Old Cairo ... ..       | 34,200      | 40                        | 1·169                                      | 23                | 0·672                                  | 57·5                               |
| Wâyli ... ..           | 78,400      | 87                        | 1·109                                      | 32                | 0·408                                  | 36·8                               |
| TOTAL FOR CAIRO ... .. | 834,870     | 711                       | 0·851                                      | 243               | 0·291                                  | 34·2                               |

*Typhoid Fever.*

The total number of cases notified during the year was 901 as against 969 in 1923 and 859 in 1922.

The case-rate for the year was therefore 1·079 per thousand of population.

The number of deaths from this disease was 253 of which 204 were found dead.

The death-rate was 0·303 per thousand of population and the ratio of deaths to cases notified was 28·1 per cent.

The highest case-rate occurred in Wâyli being 2,232 per thousand of population. See Table XIV, Figure VI and Chart IX.

The cases, according to nationality, were distributed as follows :—

|                  |     |                         |   |
|------------------|-----|-------------------------|---|
| Egyptians ... .. | 690 | Maltese ... ..          | 3 |
| Greeks ... ..    | 43  | Swiss ... ..            | 4 |
| Italians ... ..  | 38  | Austrians ... ..        | 2 |
| French ... ..    | 9   | Americans ... ..        | 2 |
| English ... ..   | 19  | Dutch ... ..            | 1 |
| Syrians ... ..   | 28  | German ... ..           | 1 |
| Jews ... ..      | 31  | Belgians ... ..         | 2 |
| Armenians ... .. | 19  | Other non-Egyptians ... | 9 |

A further analysis of the figures shows that the incidence of the 901 cases was as follows :—

- 835 cases occurred in 835 separate families.
- 44 cases occurred in 22 families (*i.e.* 2 in one family).
- 9 cases occurred in 3 families (*i.e.* 3 in one family).
- 8 cases occurred in 2 families (*i.e.* 4 in one family).
- 5 cases occurred in one family.

That is to say that out of the 901 cases occurring in 863 families only 38 may have contracted the disease as contacts.

TABLE XIV.—TYPHOID FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICT.             | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded.<br>Per cent. |
|-----------------------|-------------|---------------------------|--|-------------------|--|---|
| Mûsky... ..           | 24,900      | 25                        | 1·004                                      | 4                 | 0·160                                  | 16·0  |
| Bâb el Sha'riya... .. | 68,700      | 42                        | 0·611                                      | 9                 | 0·131                                  | 21·4  |
| Ezbekîya ... ..       | 59,800      | 124                       | 2·073                                      | 24                | 0·401                                  | 19·3  |
| 'Abdîn ... ..         | 62,900      | 99                        | 1·573                                      | 26                | 0·413                                  | 23·3  |
| Saiyeda Zeinab... ..  | 80,700      | 80                        | 0·991                                      | 25                | 0·309                                  | 31·2  |
| Khalifa ... ..        | 57,300      | 40                        | 0·698                                      | 16                | 0·279                                  | 40·0  |
| Helwân ... ..         | 42,370      | 26                        | 0·613                                      | 6                 | 0·141                                  | 23·1  |
| Darb el Ahmar... ..   | 71,500      | 36                        | 0·503                                      | 10                | 0·139                                  | 27·8  |
| Gamâliya ... ..       | 66,800      | 26                        | 0·389                                      | 10                | 0·149                                  | 38·5  |
| Shubra ... ..         | 88,600      | 113                       | 1·275                                      | 27                | 0·304                                  | 23·9  |
| Bulâq... ..           | 98,700      | 87                        | 0·881                                      | 47                | 0·476                                  | 54·0  |
| Old Cairo ... ..      | 34,200      | 28                        | 0·818                                      | 20                | 0·584                                  | 71·4  |
| Wâyli... ..           | 78,400      | 175                       | 2·232                                      | 29                | 0·369                                  | 16·6  |
| TOTAL FOR CAIRO ...   | 834,870     | 901                       | 1·079                                      | 253               | 0·303                                  | 28·1  |

*Typhus.*

The total number of cases recorded during the year was 107 which is the lowest total of any of the last 11 years. The case rate per thousand of population was 0·128. Fifty seven cases were diagnosed after death.

The total number of deaths was 60, giving a death-rate of 0·071 per thousand of population and a ratio of deaths to cases recorded of 56 per cent.

The highest case rate was in Khalifa with 0·244 per thousand of population. See Table XV, Figure VII and Chart X.



TABLE XV.—TYPHUS FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.            | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rates per Thousand of Population. | Ratio of Deaths to Cases recorded. |
|-----------------------|-------------|---------------------------|--|-------------------|---|------------------------------------|
|                       |             |                           |  |                   |   | Per cent.                          |
| Mûsky ... ..          | 24,900      | 6                         | 0·240                                      | 3                 | 0·120                                   | 50·0                               |
| Bâb el Sha'riya... .. | 68,700      | 1                         | 0·014                                      | 1                 | 0·014                                   | 100·0                              |
| Ezbekiya ... ..       | 59,800      | 4                         | 0·066                                      | 2                 | 0·033                                   | 50·0                               |
| 'Abdîn... ..          | 62,900      | 6                         | 0·095                                      | 5                 | 0·079                                   | 83·3                               |
| Saiyeda Zeinab... ..  | 80,700      | 10                        | 0·123                                      | 4                 | 0·049                                   | 40·0                               |
| Khalifa ... ..        | 57,300      | 14                        | 0·244                                      | 12                | 0·209                                   | 85·7                               |
| Helwân ... ..         | 42,370      | 2                         | 0·047                                      | 1                 | 0·023                                   | 50·0                               |
| Darb el Ahmar... ..   | 71,500      | 10                        | 0·139                                      | 4                 | 0·055                                   | 40·0                               |
| Gamâliya ... ..       | 66,800      | 15                        | 0·224                                      | 6                 | 0·089                                   | 40·0                               |
| Shubra ... ..         | 88,600      | 8                         | 0·090                                      | 6                 | 0·067                                   | 75·0                               |
| Bulâq ... ..          | 98,700      | 9                         | 0·091                                      | 4                 | 0·040                                   | 44·4                               |
| Old Cairo ... ..      | 34,200      | 3                         | 0·087                                      | 1                 | 0·029                                   | 33·3                               |
| Wâyli ... ..          | 78,400      | 19                        | 0·242                                      | 11                | 0·140                                   | 57·9                               |
| TOTAL FOR CAIRO ...   | 834,870     | 107                       | 0·128                                      | 60                | 0·071                                   | 56·1                               |

*Relapsing Fever.*

There was only 1 case recorded this year and no deaths. See Table XVI, Figure VIII and Chart XI.

TABLE XVI.—RELAPSING-FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.             | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded. |
|------------------------|-------------|---------------------------|--|-------------------|--|------------------------------------|
| Mûsky ... ..           | 24,900      | —                         | —  | —                 | —                                      | —                                  |
| Bâb el Sha'riya ... .. | 68,700      | —                         | —  | —                 | —                                      | —                                  |
| Ezbekiya ... ..        | 59,800      | 1                         | 0,016                                      | —                 | —                                      | —                                  |
| 'Abdîn... ..           | 62,900      | —                         | —  | —                 | —                                      | —                                  |
| Saiyeda Zeinab... ..   | 80,700      | —                         | —  | —                 | —                                      | —                                  |
| Khalifa ... ..         | 57,300      | —                         | —  | —                 | —                                      | —                                  |
| Helwân ... ..          | 42,370      | —                         | —  | —                 | —                                      | —                                  |
| Darb el Ahmar... ..    | 71,500      | —                         | —  | —                 | —                                      | —                                  |
| Gamâliya ... ..        | 66,800      | —                         | —  | —                 | —                                      | —                                  |
| Shubra ... ..          | 88,600      | —                         | —  | —                 | —                                      | —                                  |
| Bulâq ... ..           | 98,700      | —                         | —  | —                 | —                                      | —                                  |
| Old Cairo ... ..       | 34,200      | —                         | —  | —                 | —                                      | —                                  |
| Wâyli ... ..           | 78,400      | —                         | —  | —                 | —                                      | —                                  |
| TOTAL FOR CAIRO ...    | 834,870     | 1                         | 0,001                                      | —                 | —                                      | —                                  |

*Cerebro-spinal Fever.*

There were 8 cases of this disease during the year as compared with 12 cases in 1923 and 8 cases in 1922.

The number of deaths was 6. The case and death-rates therefore were 0·009 and 0·007 respectively per thousand of population.

Out of the total number of cases 6 were diagnosed after death. See Table VXII, Figure IX and Chart XII.

TABLE XVII.—CEREBRO-SPINAL FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924.

| DISTRICTS.            | Population. | Number of Cases recorded. | Cases recorded per Thousand of Population. | Number of Deaths. | Death-rate per Thousand of Population. | Ratio of Deaths to Cases recorded.<br>Per cent. |
|-----------------------|-------------|---------------------------|--|-------------------|--|---|
| Mûsky... ..           | 24,900      | 1                         | 0·040                                      | 1                 | 0·040                                  | 100·0   |
| Bâb el Sha'riya... .. | 68,700      | —                         | —  | —                 | —                                      | —   |
| Ezbekîya ... ..       | 59,800      | 1                         | 0·016                                      | 1                 | 0·016                                  | 100·0   |
| 'Abdîn... ..          | 62,900      | —                         | —  | —                 | —                                      | —   |
| Saiyeda Zeinab... ..  | 80,700      | 1                         | 0·012                                      | 1                 | 0·012                                  | 100·0   |
| Khalifa ... ..        | 57,300      | —                         | —  | —                 | —                                      | —   |
| Helwân ... ..         | 42,370      | —                         | —  | —                 | —                                      | —   |
| Darb el Ahmar... ..   | 71,500      | —                         | —  | —                 | —                                      | —   |
| Gamâlîya ... ..       | 66,800      | 1                         | 0·014                                      | —                 | —                                      | —   |
| Shubra ... ..         | 88,600      | —                         | —  | —                 | —                                      | —   |
| Bulâq ... ..          | 98,700      | —                         | —  | —                 | —                                      | —   |
| Old Cairo ... ..      | 34,200      | 1                         | 0·029                                      | 1                 | 0·029                                  | 100·0   |
| Wâyli ... ..          | 78,400      | 3                         | 0·038                                      | 2                 | 0·025                                  | 66·7  |
| TOTAL FOR CAIRO ...   | 834,870     | 8                         | 0·009                                      | 6                 | 0·007                                  | 75·0  |

*Puerperal Fever.*

The total number of cases from puerperal fever during 1924 was 52. Out of this number 49 were among Egyptians and 3 among non-Egyptians. There were 44 deaths from this disease.

There were however also 31 deaths which occurred within a fortnight of confinement. The causes of these 31 deaths are given as hæmorrhage 5, eclampsia 5, septicæmia 1, typhoid fever 2, difficult labour 6, uræmia 2, nephritis 1, peritonitis 2, abortion 2, pneumonia 1, heart disease 2, intestinal obstruction 1, burn 1. The death-rate of puerperal fever was therefore 0·052 per thousand of population or 1·059 per thousand of births. If the 31 deaths which occurred within a fortnight of confinement be added, the death-rate due to child birth will be nearer 0·089 per thousand of population or 1·805 per thousand of births. See Table XVIII.

TABLE XVIII.—PUERPERAL FEVER, 1914-1924.

| YEAR.       | Deaths from Puerperal Fever. | Deaths within a Fortnight of Confinement. | Total Maternal Deaths. | Death-rate of Puerperal Fever per 1000 Births. | Death-rate of Puerperal Fever per 1000 of Population. | Death-rate of all Maternal Deaths per 1000 Births. | Death-rate of all Maternal Deaths per 1000 of Population. |
|-------------|------------------------------|---|------------------------|--|---|--|---|
| 1914 ... .. | 48                           | 30  | 78                     | 1·532  | 0·066   | 2·490  | 0·107   |
| 1915 ... .. | 85                           | 32  | 117                    | 2·839  | 0·115   | 3·903  | 0·159   |
| 1916 ... .. | 75                           | 29  | 104                    | 2·406  | 0·113   | 3·336  | 0·140   |
| 1917 ... .. | 55                           | 27  | 82                     | 1·766  | 0·073   | 2·607  | 0·109   |
| 1918 ... .. | 85                           | 31  | 116                    | 3·030  | 0·112   | 4·135  | 0·152   |
| 1919 ... .. | 55                           | 25  | 80                     | 1·720  | 0·072   | 2·502  | 0·105   |
| 1920 ... .. | 48                           | 30  | 78                     | 1·333  | 0·062   | 2·170  | 0·102   |
| 1921 ... .. | 60                           | 28  | 88                     | 1·625  | 0·078   | 2·381  | 0·115   |
| 1922 ... .. | 58                           | 27  | 85                     | 1·394  | 0·074   | 2·043  | 0·109   |
| 1923 ... .. | 32                           | 28  | 60                     | 0·774  | 0·038   | 1·452  | 0·075   |
| 1924 ... .. | 44                           | 31  | 75                     | 1·059  | 0·052   | 1·805  | 0·089   |

*Influenza.*

The total number of cases notified during the year 1924 was 949 as against 833 in 1923 and 1,461 in 1922. This gives a case rate of 1·136 per thousand of population as against 1·014 in 1923 and 1·812 in 1922.

The number of deaths attributed to this disease was 97 which gives a death-rate of 0·116 per thousand of population as compared with 0·025 in 1923.



The number of deaths from all respiratory diseases excluding pulmonary tuberculosis was 5,473 out of which 2,278 were due to pneumonia, 2,932 to bronchitis, 77 to pleurisy and 168 to other respiratory diseases.

Of the 2,278 deaths from pneumonia 1,654 were children up to 5 years of age, 76 from 5 up to 15, 163 from 15 up to 35 and 385 from 35 over. Table XIX shows the comparison of deaths from influenza and those from pneumonia and other respiratory diseases.

TABLE XIX.—INFLUENZA AND RESPIRATORY DISEASES, 1924.

| WEEK ENDING   |          |        | Influenza Cases. | Deaths from Influenza. | Deaths from Pneumonia and Broncho-Pneumonia. | Deaths from all Respiratory Diseases, excluding Pulmonary Tuberculosis. | WEEK ENDING |           |       | Influenza Cases. | Deaths from Influenza. | Deaths from Pneumonia and Broncho-Pneumonia. | Deaths from all Respiratory Diseases, excluding Pulmonary Tuberculosis. |
|---------------|----------|--------|------------------|------------------------|--|---|-------------|-----------|-------|------------------|------------------------|--|---|
| 1             | January  | 7 ...  | 7                | 2                      | 33   | 102   | 27          | July      | 8...  | 10               | 4                      | 39   | 93  |
| 2             | "        | 14 ... | 25               | 1                      | 44   | 147   | 28          | "         | 15... | 10               | 3                      | 39   | 97  |
| 3             | "        | 21 ... | 31               | 2                      | 54   | 150   | 29          | "         | 22... | 28               | 4                      | 40   | 108   |
| 4             | "        | 28 ... | 26               | —                      | 57   | 175   | 30          | "         | 29... | 18               | 2                      | 39   | 100   |
| 5             | February | 4 ...  | 38               | 6                      | 69   | 163   | 31          | August    | 5...  | 15               | 2                      | 45   | 102   |
| 6             | "        | 11 ... | 38               | 4                      | 69   | 188   | 32          | "         | 12... | 14               | —                      | 49   | 101   |
| 7             | "        | 18 ... | 69               | 7                      | 60   | 161   | 33          | "         | 19... | 13               | 1                      | 54   | 107   |
| 8             | "        | 25 ... | 51               | 5                      | 62   | 154   | 34          | "         | 26... | 14               | 2                      | 49   | 102   |
| 9             | March    | 4 ...  | 50               | 2                      | 63   | 164   | 35          | September | 2...  | 10               | 1                      | 52   | 107   |
| 10            | "        | 11 ... | 21               | 1                      | 39   | 97  | 36          | "         | 9...  | 13               | —                      | 49   | 113   |
| 11            | "        | 18 ... | 22               | —                      | 42   | 97  | 37          | "         | 16... | 10               | —                      | 52   | 114   |
| 12            | "        | 25 ... | 20               | 3                      | 42   | 102   | 38          | "         | 23... | 13               | 1                      | 45   | 102   |
| 13            | April    | 1 ...  | 21               | 3                      | 41   | 94  | 39          | "         | 30... | 8                | —                      | 55   | 112   |
| 14            | "        | 8 ...  | 12               | 3                      | 37   | 97  | 40          | October   | 7...  | 4                | 1                      | 53   | 110   |
| 15            | "        | 15 ... | 21               | —                      | 34   | 82  | 41          | "         | 14... | 10               | 2                      | 49   | 98  |
| 16            | "        | 22 ... | 28               | 2                      | 30   | 91  | 42          | "         | 21... | 9                | —                      | 29   | 60  |
| 17            | "        | 29 ... | 19               | —                      | 32   | 92  | 43          | "         | 28... | 10               | —                      | 18   | 61  |
| 18            | May      | 6 ...  | 12               | —                      | 30   | 100   | 44          | November  | 4...  | 17               | 1                      | 42   | 97  |
| 19            | "        | 13 ... | 13               | —                      | 42   | 94  | 45          | "         | 11... | 10               | 1                      | 20   | 58  |
| 20            | "        | 20 ... | 13               | 2                      | 35   | 96  | 46          | "         | 18... | 9                | —                      | 35   | 69  |
| 21            | "        | 27 ... | 21               | 3                      | 37   | 96  | 47          | "         | 25... | 11               | —                      | 34   | 76  |
| 22            | June     | 3 ...  | 12               | 3                      | 32   | 85  | 48          | December  | 2...  | 18               | 3                      | 38   | 93  |
| 23            | "        | 10 ... | 13               | 1                      | 42   | 102   | 49          | "         | 9...  | 8                | 2                      | 52   | 100   |
| 24            | "        | 17 ... | 22               | 7                      | 45   | 92  | 50          | "         | 16... | 10               | 1                      | 39   | 84  |
| 25            | "        | 24 ... | 15               | 2                      | 59   | 99  | 51          | "         | 23... | 11               | —                      | 41   | 99  |
| 26            | July     | 1...   | 18               | 5                      | 55   | 94  | 52          | "         | 31... | 8                | 2                      | 36   | 96  |
| TOTALS ... .. |          |        |                  |                        |  |   |             |           |       | 949              | 97                     | 2,278  | 5,473   |

### III.—GOVERNMENT FEVER HOSPITAL, ABBASIYA.

#### SUMMARY OF ADMISSIONS.

During the year 1924, there were 2,048 admissions to the Government Fever Hospital as compared with 1,897 in 1923. Of these admissions 1,370 were males and 678 were females. Table XX.

The number of patients admitted each month was 129 in January, 155 in February, 194 in March, 206 in April, 209 in May, 250 in June, 210 in July, 182 in August, 142 in September, 140 in October, 135 in November and 96 in December 1924. Table XXI.

The admissions consisted of 200 cases of small-pox, 38 of chicken-pox, 29 of measles, 39 of scarlet fever, (316 typhoid and 7 para-typhoid=323), 52 of Typhus, 4 of cerebro-spinal fever, 144 of diphtheria, 21 of whooping cough, 71 of mumps, 621 of influenza, 18 of erysipelas and other cases consisting of 161 cases sent to Hospital under a mistaken diagnosis of infectious disease, 57 persons sent in under observation in whom no disease of any sort manifested itself and 270 mothers of young children and other persons accompanying patients. Tables XX and XXII.

The 161 cases sent to Hospital under a mistaken diagnosis of infectious diseases were found on examination to consist of 16 gastro enteritis, 8 of malaria, 12 of pneumonia, 5 of bronchitis, 7 of tuberculosis, 20 of tonsillitis, 18 of dysentery, 10 of various skin diseases and 65 cases of a most diverse nature consisting of kidney disease, tumours, heart diseases, etc.

Of the 2,048 admissions 113 were 1st Class, 250 Second Class and 1,685 Third Class. Table XXII.

The admissions from the eight principal notifiable diseases (small-pox, measles, scarlet fever, diphtheria, typhoid, typhus, the relapsing and cerebro-spinal fever) were 784.

From the admissions however should be deducted 94 Military cases.

There were 169 deaths in Hospital during 1924, or estimated on the 2,048 admissions, 8·2 per cent of the cases admitted.

Of these there were 6 caused by typhus with a case mortality of 11·5 per cent, 53 by typhoid with a case mortality of 16·8 per cent 36 by diphtheria with a case mortality of 25 per cent, 31 by small-pox with a case mortality of 15·5 per cent, 2 by cerebro-spinal meningitis with a case mortality of 50 per cent. Table XXIII.

Although the death-rate is not high in the above-mentioned diseases yet it would have been lower had these patients resorted to the Hospital at an earlier stage of their diseases ; thus by deducting the number of patients who died within 2 or 3 days of their admission from the total number of deaths in each of the above-mentioned diseases, the death-rate is found to be as follows :—

*Typhoid*.—Total number of deaths 53. Of these, 13 died within 2 or 3 days of their admission, leaving 40, *i.e.* a mortality of 12·7 per cent.

*Typhus*.—Total number of deaths 6. Of these 2 died within 2 or 3 days of their admission, leaving 4, *i.e.* a mortality of 7·8 per cent.

*Diphtheria*.—Total number of deaths 36. Of these 26 died within 2 or 3 days of their admission, leaving 10, *i.e.* a mortality of 6·9 per cent.

*Cerebro-spinal Fever*.—Total number of deaths 2. Of these one died one day after admission, leaving 1, *i.e.* a mortality of 25 per cent.

In addition there were 20 deaths amongst patients sent in under a mistaken diagnosis of various infectious diseases and whose condition did not permit of a refusal of admission.

These are 2 phthisis, 1 dysentery, 2 broncho-pneumonia, 1 nephritis, 1 intestinal obstruction, 1 tubercular-peritonitis, 5 gastro-enteritis, 1 epilepsy, 1 small-pox with vaccinia, 1 puerperal fever, 1 premature labour, 1 acute rheumatism and 2 pulmonary gangrene.

Included amongst the 1,685 third class admissions were 22 sick convicts from Cairo Prisons. Of these 11 were suffering from typhoid, 2 from typhus, 7 from influenza, 1 from mumps and 1 from pneumonia. Table XXIV.

The convict mortality was 22·7 per cent of the total number of cases admitted.



TABLE XX.—GOVERNMENT FEVER HOSPITAL.  
MALE AND FEMALE PATIENTS ADMITTED EACH MONTH AND THE DISEASES FOR WHICH  
THEY WERE ADMITTED DURING 1924.

| MONTH.     | SEX.       | Small-pox. | Chicken-pox. | Measles. | Scarlet Fever. | Typhoid Fever. | Typhus Fever. | Relapsing Fever. | Cerebro-spinal Fever. | Diphtheria. | Mumps. | Whooping Cough. | Erysipelas. | Other Diseases. | Observation Cases. | Persons accompanying Sick. | Paratyphoid Fever. | Influenza. | TOTAL. |
|------------|------------|------------|--------------|----------|----------------|----------------|---------------|------------------|-----------------------|-------------|--------|-----------------|-------------|-----------------|--------------------|----------------------------|--------------------|------------|--------|
| January    | Male ...   | —          | 2            | 3        | 1              | 11             | 1             | —                | —                     | 7           | 2      | —               | —           | 7               | —                  | —                          | 1                  | 63         | 98     |
|            | Female ... | —          | —            | —        | 5              | 3              | —             | —                | 1                     | 8           | —      | —               | —           | 2               | 1                  | 8                          | 3                  | 31         |        |
| February   | Male ...   | 4          | 1            | —        | 4              | 3              | 1             | —                | —                     | 6           | 4      | 3               | —           | 11              | 2                  | 1                          | 3                  | 61         | 104    |
|            | Female ... | 4          | 8            | 1        | 2              | —              | —             | —                | —                     | 6           | 2      | 1               | —           | 6               | 1                  | 15                         | —                  | 5          | 51     |
| March ...  | Male ...   | 17         | 6            | 3        | 2              | 11             | 7             | —                | 1                     | 3           | 1      | 2               | 3           | 12              | 7                  | 2                          | —                  | 61         | 138    |
|            | Female ... | 9          | 5            | 5        | —              | 6              | —             | —                | —                     | 2           | —      | 1               | —           | 5               | 2                  | 18                         | —                  | 3          | 56     |
| April ...  | Male ...   | 34         | 3            | 3        | —              | 13             | 4             | —                | 1                     | 2           | 4      | 2               | 1           | 10              | 5                  | —                          | —                  | 55         | 137    |
|            | Female ... | 10         | —            | 3        | 3              | 9              | 2             | —                | —                     | 1           | 3      | 1               | 2           | 4               | 9                  | 15                         | —                  | 7          | 69     |
| May ...    | Male ...   | 39         | 2            | 1        | 5              | 13             | 12            | —                | 1                     | 6           | 5      | —               | 3           | 13              | 1                  | 1                          | —                  | 41         | 143    |
|            | Female ... | 13         | 4            | 1        | 4              | 7              | 6             | —                | —                     | 4           | 1      | —               | 4           | 4               | —                  | 15                         | —                  | 3          | 66     |
| June ...   | Male ...   | 30         | 3            | 3        | 1              | 25             | 5             | —                | —                     | 8           | 3      | 1               | 1           | 27              | —                  | 5                          | —                  | 45         | 157    |
|            | Female ... | 21         | 3            | 1        | 3              | 10             | 2             | —                | —                     | 6           | —      | 2               | 1           | 4               | —                  | 34                         | —                  | 6          | 93     |
| July ...   | Male ...   | 3          | —            | —        | 2              | 41             | 1             | —                | —                     | 7           | 16     | —               | —           | 8               | 2                  | 4                          | —                  | 44         | 128    |
|            | Female ... | 5          | —            | 3        | —              | 19             | 1             | —                | —                     | 6           | —      | —               | —           | 3               | 1                  | 35                         | —                  | 9          | 82     |
| August     | Male ...   | 6          | —            | —        | —              | 25             | 6             | —                | —                     | 8           | 12     | 1               | —           | 7               | 7                  | 3                          | —                  | 47         | 122    |
|            | Female ... | 4          | —            | —        | 1              | 11             | —             | —                | —                     | 3           | —      | 2               | —           | 5               | 4                  | 25                         | —                  | 5          | 60     |
| September  | Male ...   | 1          | —            | 1        | —              | 23             | 2             | —                | —                     | 7           | 11     | —               | 1           | 6               | 1                  | —                          | 1                  | 37         | 91     |
|            | Female ... | —          | —            | —        | —              | 11             | —             | —                | —                     | 8           | 1      | —               | —           | 3               | 1                  | 22                         | —                  | 5          | 51     |
| October    | Male ...   | —          | —            | 1        | 1              | 25             | —             | —                | —                     | 8           | 3      | —               | —           | 11              | 4                  | 6                          | —                  | 40         | 99     |
|            | Female ... | —          | —            | —        | —              | 3              | —             | —                | —                     | 8           | —      | —               | —           | 3               | 1                  | 20                         | —                  | 6          | 41     |
| November   | Male ...   | —          | —            | —        | 1              | 25             | —             | —                | —                     | 10          | —      | 4               | 2           | 1               | 3                  | 2                          | —                  | 36         | 84     |
|            | Female ... | —          | 1            | —        | 2              | 3              | —             | —                | —                     | 9           | —      | 1               | —           | 2               | —                  | 24                         | —                  | 9          | 51     |
| December   | Male ...   | —          | —            | —        | 1              | 14             | 2             | —                | —                     | 9           | 3      | —               | —           | 4               | 4                  | 3                          | —                  | 29         | 69     |
|            | Female ... | —          | —            | —        | 1              | 5              | —             | —                | —                     | 2           | —      | —               | —           | 3               | 1                  | 12                         | 2                  | 1          | 27     |
| TOTAL ...  | Male ...   | 134        | 17           | 15       | 18             | 229            | 41            | —                | 3                     | 81          | 64     | 13              | 11          | 117             | 36                 | 27                         | 5                  | 559        | 1,370  |
|            | Female ... | 66         | 21           | 14       | 21             | 87             | 11            | —                | 1                     | 63          | 7      | 8               | 7           | 44              | 21                 | 243                        | 2                  | 62         | 678    |
| TOTALS ... |            | 200        | 38           | 29       | 39             | 316            | 52            | —                | 4                     | 144         | 71     | 21              | 18          | 161             | 57                 | 270                        | 7                  | 621        | 2,048  |

TABLE XXI.—GOVERNMENT FEVER HOSPITAL.  
ADMISSIONS PER MONTH BY CLASSES AND SEX DURING 1924.

|                  |       |                 |       |
|------------------|-------|-----------------|-------|
| Admissions ...   | 2,048 | Third Class ... | 1,685 |
| Male ...         | 1,370 | Cured ...       | 1,867 |
| Female ...       | 678   | Died ...        | 169   |
| First Class ...  | 113   | Unrelieved ...  | 12    |
| Second Class ... | 250   |                 |       |

| MONTH.        | SEX.  |         | CLASS. |         |        | TOTAL. |
|---------------|-------|---------|--------|---------|--------|--------|
|               | Male. | Female. | First. | Second. | Third. |        |
| January ...   | 98    | 31      | 3      | 21      | 105    | 129    |
| February ...  | 104   | 51      | 18     | 29      | 108    | 155    |
| March ...     | 138   | 56      | 3      | 27      | 164    | 194    |
| April ...     | 137   | 69      | 10     | 26      | 170    | 206    |
| May ...       | 143   | 66      | 14     | 24      | 171    | 209    |
| June ...      | 157   | 93      | 19     | 20      | 211    | 250    |
| July ...      | 128   | 82      | 18     | 22      | 170    | 210    |
| August ...    | 122   | 60      | 10     | 20      | 152    | 182    |
| September ... | 91    | 51      | 7      | 19      | 116    | 142    |
| October ...   | 99    | 41      | —      | 18      | 122    | 140    |
| November ...  | 84    | 51      | 6      | 14      | 115    | 135    |
| December ...  | 69    | 27      | 5      | 10      | 81     | 96     |
| TOTAL ...     | 1,370 | 678     | 113    | 250     | 1,685  | 2,048  |

TABLE XXII.—GOVERNMENT FEVER HOSPITAL.  
ADMISSIONS BY CLASSES PER MONTH AND THE DISEASES FOR WHICH THEY WERE ADMITTED  
DURING 1924.

| MONTH.      | CLASS.     | Small-pox. | Chicken-pox. | Measles. | Scarlet Fever. | Typhoid Fever. | Typhus Fever. | Relapsing Fever. | Cerebro-spinal Fever. | Diphtheria. | Mumps. | Influenza. | Erysipelas. | Other Diseases. | Observation Cases. | Persons accompanying Sick. | Paratyphoid Fever. | Whooping Cough. | TOTAL. |
|-------------|------------|------------|--------------|----------|----------------|----------------|---------------|------------------|-----------------------|-------------|--------|------------|-------------|-----------------|--------------------|----------------------------|--------------------|-----------------|--------|
| January ... | First ...  | —          | —            | —        | 1              | —              | —             | —                | —                     | 1           | —      | —          | —           | —               | —                  | 1                          | —                  | —               | 3      |
|             | Second ... | —          | 1            | 1        | 4              | 1              | —             | —                | —                     | 10          | —      | 1          | —           | 1               | —                  | 2                          | —                  | —               | 21     |
|             | Third ...  | —          | 1            | 2        | 1              | 13             | 1             | —                | 1                     | 4           | 2      | 65         | —           | 8               | 1                  | 5                          | 1                  | —               | 105    |
| February    | First ...  | —          | 1            | 1        | 4              | —              | —             | —                | —                     | 5           | —      | —          | —           | —               | —                  | 7                          | —                  | —               | 18     |
|             | Second ... | 1          | 8            | —        | 2              | 1              | —             | —                | —                     | 6           | —      | 1          | —           | 5               | —                  | 4                          | —                  | 1               | 29     |
|             | Third ...  | 7          | —            | —        | —              | 2              | 1             | —                | —                     | 1           | 6      | 65         | —           | 12              | 3                  | 5                          | 3                  | 3               | 108    |
| March ...   | First ...  | —          | —            | 1        | —              | —              | —             | —                | —                     | —           | —      | —          | —           | —               | —                  | 2                          | —                  | —               | 3      |
|             | Second ... | 4          | 1            | 4        | 2              | 3              | 1             | —                | —                     | 1           | —      | 2          | 1           | 2               | 1                  | 5                          | —                  | —               | 27     |
|             | Third ...  | 22         | 10           | 3        | —              | 14             | 6             | —                | 1                     | 4           | 1      | 62         | 2           | 15              | 8                  | 13                         | —                  | 3               | 164    |
| April ...   | First ...  | 3          | 2            | —        | 2              | —              | —             | —                | 1                     | —           | 1      | 1          | —           | —               | —                  | —                          | —                  | —               | 10     |
|             | Second ... | 8          | —            | —        | 1              | 3              | 1             | —                | —                     | 1           | 2      | 3          | 1           | —               | —                  | 3                          | —                  | 3               | 26     |
|             | Third ...  | 33         | 1            | 6        | —              | 19             | 5             | —                | —                     | 2           | 4      | 58         | 2           | 14              | 14                 | 12                         | —                  | —               | 170    |
| May... ..   | First ...  | 4          | 1            | —        | 3              | 3              | 1             | —                | —                     | 1           | —      | —          | —           | —               | —                  | 1                          | —                  | —               | 14     |
|             | Second ... | 6          | —            | 2        | 5              | 2              | —             | —                | —                     | 1           | —      | —          | —           | 4               | 1                  | 3                          | —                  | —               | 24     |
|             | Third ...  | 42         | 5            | —        | 1              | 15             | 17            | —                | 1                     | 8           | 6      | 44         | 7           | 13              | —                  | 12                         | —                  | —               | 171    |
| June ...    | First ...  | 2          | —            | —        | 2              | 2              | —             | —                | —                     | 2           | —      | 1          | —           | 3               | —                  | 7                          | —                  | —               | 19     |
|             | Second ... | 3          | —            | —        | 2              | 8              | 1             | —                | —                     | —           | —      | —          | —           | 2               | —                  | 2                          | —                  | 2               | 20     |
|             | Third ...  | 46         | 6            | 4        | —              | 25             | 6             | —                | —                     | 12          | 3      | 50         | 2           | 26              | —                  | 30                         | —                  | 1               | 211    |
| July... ..  | First ...  | 1          | —            | —        | —              | 8              | 1             | —                | —                     | —           | —      | —          | —           | —               | —                  | 8                          | —                  | —               | 18     |
|             | Second ... | —          | —            | —        | 1              | 12             | —             | —                | —                     | 1           | —      | 2          | —           | 1               | 1                  | 4                          | —                  | —               | 22     |
|             | Third ...  | 7          | —            | 3        | 1              | 40             | 1             | —                | —                     | 12          | 16     | 51         | —           | 10              | 2                  | 27                         | —                  | —               | 170    |
| August ...  | First ...  | —          | —            | —        | —              | 3              | —             | —                | —                     | 1           | —      | 1          | —           | 2               | —                  | 3                          | —                  | —               | 10     |
|             | Second ... | 3          | —            | —        | 1              | 6              | —             | —                | —                     | 1           | —      | 1          | —           | 2               | —                  | 6                          | —                  | —               | 20     |
|             | Third ...  | 7          | —            | —        | —              | 27             | 6             | —                | —                     | 9           | 12     | 50         | —           | 8               | 11                 | 19                         | —                  | 3               | 152    |
| September   | First ...  | —          | —            | —        | —              | 3              | 1             | —                | —                     | —           | —      | 1          | —           | —               | —                  | 2                          | —                  | —               | 7      |
|             | Second ... | —          | —            | —        | —              | 8              | —             | —                | —                     | 4           | 4      | —          | —           | —               | —                  | 2                          | —                  | —               | 19     |
|             | Third ...  | 1          | —            | 1        | —              | 23             | 1             | —                | —                     | 11          | 8      | 41         | 1           | 8               | 2                  | 18                         | 1                  | —               | 116    |
| October ... | First ...  | —          | —            | —        | —              | —              | —             | —                | —                     | —           | —      | —          | —           | —               | —                  | —                          | —                  | —               | —      |
|             | Second ... | —          | —            | 1        | 1              | 4              | —             | —                | —                     | 3           | —      | 1          | —           | 5               | —                  | 3                          | —                  | —               | 18     |
|             | Third ...  | —          | —            | —        | —              | 24             | —             | —                | —                     | 13          | 3      | 45         | —           | 9               | 5                  | 23                         | —                  | —               | 122    |
| November    | First ...  | —          | —            | —        | 1              | 1              | —             | —                | —                     | 3           | —      | —          | —           | —               | —                  | 1                          | —                  | —               | 6      |
|             | Second ... | —          | —            | —        | 2              | 4              | —             | —                | —                     | 2           | —      | —          | —           | —               | 1                  | 5                          | —                  | —               | 14     |
|             | Third ...  | —          | 1            | —        | —              | 23             | —             | —                | —                     | 14          | —      | 45         | 2           | 3               | 2                  | 20                         | —                  | 5               | 115    |
| December    | First ...  | —          | —            | —        | —              | 1              | 1             | —                | —                     | 2           | —      | —          | —           | —               | —                  | 1                          | —                  | —               | 5      |
|             | Second ... | —          | —            | —        | —              | 2              | —             | —                | —                     | 2           | —      | 1          | —           | 2               | —                  | 2                          | 1                  | —               | 10     |
|             | Third ...  | —          | —            | —        | 2              | 16             | 1             | —                | —                     | 7           | 3      | 29         | —           | 5               | 5                  | 12                         | 1                  | —               | 81     |
| Total ...   | First ...  | 10         | 4            | 2        | 13             | 21             | 4             | —                | 1                     | 15          | 1      | 4          | —           | 5               | —                  | 33                         | —                  | —               | 113    |
|             | Second ... | 25         | 10           | 8        | 21             | 54             | 3             | —                | —                     | 32          | 6      | 12         | 2           | 25              | 4                  | 41                         | 1                  | 6               | 250    |
|             | Third ...  | 165        | 24           | 19       | 5              | 241            | 45            | —                | 3                     | 97          | 64     | 605        | 16          | 131             | 53                 | 196                        | 6                  | 15              | 1,685  |
| TOTALS ...  |            | 200        | 38           | 29       | 39             | 316            | 52            | —                | 4                     | 144         | 71     | 621        | 18          | 161             | 57                 | 270                        | 7                  | 21              | 2,048  |



TABLE XXIII.—GOVERNMENT FEVER HOSPITAL MONTHLY MORTALITY INCIDENCE IN 1924.

| MONTH.           | Small-pox. | Scarlet Fever. | Typhoid Fever. | Typhus Fever. | Cerebro-spinal Fever | Diphtheria. | Erysipelas. | Other Diseases. | Pneumonia. | Tetanus. | TOTAL. |
|------------------|------------|----------------|----------------|---------------|----------------------|-------------|-------------|-----------------|------------|----------|--------|
| January ... ..   | 1          | 1              | 4              | —             | —                    | 2           | —           | —               | 2          | —        | 10     |
| February ... ..  | —          | —              | 1              | —             | —                    | 2           | —           | 5               | 5          | —        | 13     |
| March... ..      | 1          | —              | —              | —             | 1                    | —           | —           | 3               | 2          | —        | 7      |
| April ... ..     | 8          | —              | 6              | —             | 1                    | —           | —           | 4               | 3          | —        | 22     |
| May ... ..       | 8          | —              | 4              | 3             | —                    | 3           | —           | 1               | 1          | —        | 20     |
| June ... ..      | 7          | —              | 5              | —             | —                    | 3           | —           | 1               | 3          | 1        | 20     |
| July ... ..      | 3          | 1              | 7              | —             | —                    | 6           | 1           | —               | —          | —        | 18     |
| August ... ..    | 3          | —              | 12             | 1             | —                    | 3           | —           | —               | —          | —        | 19     |
| September ... .. | —          | —              | 8              | 2             | —                    | 6           | —           | 3               | —          | —        | 19     |
| October ... ..   | —          | —              | —              | —             | —                    | 1           | —           | 2               | —          | —        | 3      |
| November ... ..  | —          | —              | 5              | —             | —                    | 7           | —           | 1               | 1          | —        | 14     |
| December ... ..  | —          | —              | 1              | —             | —                    | 3           | —           | —               | —          | —        | 4      |
| TOTAL ...        | 31         | 2              | 53             | 6             | 2                    | 36          | 1           | 20              | 17         | 1        | 169    |

TABLE XXIV.—MONTHLY CONVICT ADMISSIONS AND CONVICT DISEASES IN 1924.

| MONTH.           | Typhus Fever. | Typhoid Fever. | Influenza. | Mumps. | Pneumonia. | TOTAL. |
|------------------|---------------|----------------|------------|--------|------------|--------|
| January... ..    | —             | 1              | —          | —      | —          | 1      |
| February ... ..  | 1             | —              | 1          | —      | —          | 2      |
| March ... ..     | —             | —              | —          | —      | —          | —      |
| April ... ..     | —             | —              | 1          | —      | —          | 1      |
| May ... ..       | —             | 1              | 1          | —      | 1          | 3      |
| June ... ..      | 1             | —              | 1          | —      | —          | 2      |
| July ... ..      | —             | 4              | —          | —      | —          | 4      |
| August ... ..    | —             | 1              | 1          | 1      | —          | 3      |
| September ... .. | —             | —              | 1          | —      | —          | 1      |
| October ... ..   | —             | 1              | 1          | —      | —          | 2      |
| November ... ..  | —             | 1              | —          | —      | —          | 1      |
| December ... ..  | —             | 2              | —          | —      | —          | 2      |
| TOTAL ...        | 2             | 11             | 7          | 1      | 1          | 22     |

TABLE XXV.—MONTHLY CONVICT MORTALITY AND CAUSES OF DEATH IN 1924.

| MONTH.           | DISEASES. |          |           | TOTAL. |
|------------------|-----------|----------|-----------|--------|
|                  | Typhus.   | Typhoid. | Phthisis. |        |
| January ... ..   | —         | 1        | —         | 1      |
| February ... ..  | —         | —        | —         | —      |
| March... ..      | —         | —        | —         | —      |
| April ... ..     | —         | —        | —         | —      |
| May ... ..       | —         | 1        | —         | 1      |
| June ... ..      | —         | —        | —         | —      |
| July ... ..      | —         | 2        | —         | 2      |
| August ... ..    | —         | 1        | —         | 1      |
| September ... .. | —         | —        | —         | —      |
| October ... ..   | —         | —        | —         | —      |
| November ... ..  | —         | —        | —         | —      |
| December ... ..  | —         | —        | —         | —      |
| TOTAL ... ..     | —         | 5        | —         | 5      |

# DISINFECTION SERVICE.

The total number of rooms disinfected during 1924 was 22,484. Of this total 8,849 were done by the Abbasiya and 13,635 by the Fum el Khalig Staff, or an average of 24·2 rooms per day for Abbasiya and 37·3 for Fum el Khalig.

Of the total of rooms disinfected 733 were treated by formaline, 12,648 by sublimate solution, 7,946 by izal, 1,141 by petroleum emulsion and 16 by sulphur.

In addition there were 112,643 articles of clothing removed to the two Stations for steam disinfection.

Of this total 82,024 were disinfected at Abbasiya and 30,619 at Fum el Khalig.

*Delousing.*—The total number of contacts of typhus and relapsing fever who were deloused during the year was 772, of which 377 were males and 395 females.

## DEATH INQUIRIES.

The total number of uncertified deaths during 1924 which required to be investigated was 18,090 as against 19,289 in 1923. The proportion therefore of uncertified deaths to the total Cairo Deaths (*i.e.* 27,121) was 66·7 per hundred as against 68·5 in 1923.

Out of the 18,090 uncertified deaths 11,627 were investigated by the District Medical Officers that is 64·3 per cent. 5,277 or 29·2 per cent were inquired into by the District *Qablas* 1,123 or 6·2 per cent by the Sanitary Barbers and 63 or 0·3 per cent by the Village *Dayas*.

Therefore the daily average of inquiries was 49·4.

The average per day for the Medical Officers was 31·8, for the *Qablas* 14·4, for the Village Barbers 3·1, and for the Village *Dayas* 0·2.

In 1924 the largest number of inquiries was made by the Medical Officer of Khalifa who investigated 1,453 deaths whilst the *Qabla* of Bulaq I made the record number of 1,591 inquiries. (*See* Table XXVI).

TABLE XXVI.—DISTRIBUTION OF UNCERTIFIED DEATHS AND DEATH INQUIRIES IN THE VARIOUS DISTRICTS IN 1924.

| DISTRICT.               | All Deaths.                               | UNCERTIFIED DEATHS.                        |   |   |  |                  | Percentage of Deaths Uncertified. |
|-------------------------|---|--|---|---|--|------------------|-----------------------------------|
|                         |   | Investigated by District Medical Officers. | Investigated by District <i>Hakimas</i> . | Investigated by Village Sanitary Barbers. | Investigated by Village <i>Dayas</i> . | District Totals. |                                   |
|                         |   |  |   |   |  |                  | Per cent.                         |
| Mûsky ... ..            | 666                                       | 259  | 50  | —   | —                                      | 309              | 46·4                              |
| Bâb el Sha'riya ... ..  | 2,104                                     | 1,011                                      | 210                                       | —   | —                                      | 1,221            | 58·0                              |
| Ezbekiya ... ..         | 1,495                                     | 260  | 121                                       | —   | —                                      | 381              | 25·5                              |
| ‘Abdîn ... ..           | 1,649                                     | 866  | 153                                       | —   | —                                      | 1,019            | 61·8                              |
| Saiyeda Zeinab ... ..   | 2,569                                     | 1,008                                      | 614                                       | —   | —                                      | 1,622            | 63·1                              |
| Helwân ... ..           | 279                                       | 93   | 43  | —   | —                                      | 136              | 48·7                              |
| Khalifa ... ..          | 2,134                                     | 1,453                                      | 303                                       | —   | —                                      | 1,756            | 82·3                              |
| Darb el Ahmar ... ..    | 2,243                                     | 1,234                                      | 228                                       | —   | —                                      | 1,462            | 65·2                              |
| Gamâliya ... ..         | 2,261                                     | 1,097                                      | 401                                       | —   | —                                      | 1,498            | 66·2                              |
| Shubra ... ..           | 3,274                                     | 1,247                                      | 262                                       | 709                                       | 9                                      | 2,227            | 68·0                              |
| Bûlâq ...               | { Bûlâq I ... .. }<br>{ Bûlâq II ... .. } | { 684                                      | 1,591                                     | —   | —                                      | 2,275            | { 81·7                            |
|                         |   | { 424                                      | 713                                       | —   | —                                      | 1,137            |                                   |
| Old Cairo ... ..        | 1,562                                     | 882  | 360                                       | —   | —                                      | 1,242            | 79·5                              |
| Wâyli ...               | { Zeitûn ... .. }<br>{ ‘Abbâsiya ... .. } | { 328                                      | 45  | 414                                       | 54                                     | 841              | { 66·6                            |
|                         |   | { 781                                      | 183                                       | —   | —                                      | 964              |                                   |
| TOTALS FOR CAIRO ... .. | 27,121                                    | 11,627                                     | 5,277                                     | 1,123                                     | 63                                     | 18,090           | 66·7                              |



# IV.—PASSENGER AND PILGRIM CONTROL SERVICE.

## (a) PASSENGER SERVICE.

The total number of passengers arriving in Cairo from infected countries during 1924 was 15,504 as against 14,214 in 1923 and 12,595 in 1922.

Out of this total 9,620 or 62·0 per cent arrived via Alexandria, 2,766 or 17·8 per cent via Port Said and 3,118 or 20·1 per cent via Suez.

Of the 15,504 passengers 15,241 or 98·3 per cent were observed during the prescribed period whilst 263 or 1·6 per cent were not traced. See Tables XXVII and XXVIII.

### *Passengers via Qantara.*

Besides the above total there were 10,592 passengers who arrived in Cairo by way of Qantara.

Out of this total 10,218 or 96·5 per cent were traced and observed whilst 374 or 3·5 per cent could not be traced.

## (b) PILGRIM SERVICE.

The total number of passports issued by the Governorate during 1924 was 380 as against 511 in 1923.

Out of this total 351 pilgrims returned and were put under observation for the usual period, 13 died in the Hejaz, 9 did not return to Egypt, and 7 never started.

There were also 178 Government Employees attached to the *Mahmal*. All of these returned and were observed. Table XXIX.

TABLE XXVII.—NEW ARRIVALS FROM FOREIGN COUNTRIES UNDER MEDICAL OBSERVATION IN 1924.

|                           | Total.        | Found.        | Untraced.  | Percentage<br>observed. |
|---------------------------|---------------|---------------|------------|-------------------------|
|                           |               |               |            | per cent.               |
| Via Alexandria ... ..     | 9,620         | 9,523         | 97         | 99·0                    |
| Via Port-Said ... ..      | 2,766         | 2,636         | 130        | 95·3                    |
| Via Port-Suez ... ..      | 3,118         | 3,082         | 36         | 98·8                    |
| <b>TOTAL ... ..</b>       | <b>15,504</b> | <b>15,241</b> | <b>263</b> | <b>98·3</b>             |
| Via Qantara... ..         | 10,592        | 10,218        | 374        | 96·5                    |
| Via Ports ... ..          | 15,504        | 15,241        | 263        | 98·3                    |
| Via Qantara... ..         | 10,592        | 10,218        | 374        | 96·5                    |
| <b>GRAND TOTAL ... ..</b> | <b>26,096</b> | <b>25,459</b> | <b>637</b> | <b>97·6</b>             |

TABLE XXVIII.—NEW ARRIVALS FROM FOREIGN COUNTRIES UNDER MEDICAL OBSERVATION IN 1924.

| MONTH.    | VIA ALEXANDRIA. |        |           | VIA PORT-SAID. |        |        | VIA PORT-SUEZ. |             |        |
|-----------|-----------------|--------|-----------|----------------|--------|--------|----------------|-------------|--------|
|           | Total.          | Found. | Untraced. | Percentage.    | Total. | Found. | Untraced.      | Percentage. | Total. |
| January   | 511             | 510    | 1         | 99·8           | 179    | 165    | 14             | 92·2        | 38     |
| February  | 705             | 704    | 1         | 99·9           | 243    | 235    | 8              | 96·7        | 69     |
| March     | 1,874           | 1,867  | 7         | 99·6           | 400    | 383    | 17             | 95·7        | 1,139  |
| April     | 242             | 237    | 5         | 97·9           | 277    | 275    | 2              | 99·3        | 868    |
| May       | 258             | 254    | 4         | 98·4           | 115    | 110    | 5              | 95·6        | 136    |
| June      | 309             | 309    | —         | 100            | 131    | 117    | 14             | 89·3        | 43     |
| July      | 285             | 285    | —         | 100            | 149    | 138    | 11             | 92·6        | 160    |
| August    | 1,176           | 1,176  | —         | 100            | 243    | 239    | 4              | 98·3        | 117    |
| September | 1,426           | 1,412  | 14        | 99·0           | 409    | 397    | 12             | 97·1        | 122    |
| October   | 1,594           | 1,566  | 28        | 98·2           | 371    | 355    | 16             | 95·7        | 160    |
| November  | 742             | 716    | 26        | 96·5           | 148    | 133    | 15             | 89·9        | 166    |
| December  | 498             | 487    | 11        | 97·8           | 101    | 89     | 12             | 88·1        | 100    |
| TOTAL ... | 9,620           | 9,523  | 97        | 99·0           | 2,766  | 2,636  | 130            | 95·3        | 3,118  |
|           |                 |        |           |                |        |        |                |             | 3,082  |
|           |                 |        |           |                |        |        |                |             | 36     |
|           |                 |        |           |                |        |        |                |             | 98·8   |



TABLE XXIX.—YEARLY RECORD OF PILGRIMS IN 1924.

| DISTRICTS.             | Pilgrims with<br>Passports issued by<br>Governorates<br>as recorded in the<br>District Registers. | Government<br>Employees<br>accompanying <i>Muhamad</i><br>as recorded in the<br>District Registers. | Pilgrims and<br>Govt. Employees<br>who returned and<br>were observed the<br>usual Period<br>in Cairo. |                     | Pilgrims and<br>Employees who<br>obtained<br>passports or<br>permission from<br>Cairo, but<br>were observed<br>elsewhere<br>on their return. |                     | Persons who did<br>not leave Cairo<br>after obtaining<br>Passports<br>or Permission. |                     | Pilgrims returning<br>from earlier<br>Pilgrimages<br>than the Last. | Pilgrims<br>and Government<br>Employees coming<br>from Outside but<br>observed in Cairo. |                     | REMARKS.  |
|------------------------|---|---|---|---------------------|--|---------------------|--|---------------------|---|--|---------------------|---|
|                        |   |   | Pilgrims.   | Govt.<br>Employees. | Pilgrims.  | Govt.<br>Employees. | Pilgrims.  | Govt.<br>Employees. |   | Pilgrims.  | Govt.<br>Employees. |   |
| ‘Abbâsiya ... ..       | 22  | 46  | 19  | 44                  | 1  | 2                   | —  | —                   | —   | 3  | —                   | 2 pilgrims died in the Hedjaz.                              |
| ‘Abdin ... ..          | 6   | 12  | 6   | 11                  | —  | 1                   | —  | —                   | —   | 41   | —                   |   |
| Ezbekiyya ... ..       | 7   | —   | 7   | —                   | —  | —                   | —  | —                   | 4   | 52   | 3                   |   |
| Bâb el Sha‘rîya ... .. | 27  | —   | 7   | —                   | —  | —                   | —  | —                   | —   | 13   | 5                   | 1 pilgrim died in the Hedjaz.                               |
| Bulâq I ... ..         | 14  | —   | 13  | —                   | 1  | —                   | —  | —                   | —   | —  | —                   |   |
| Bulâq II ... ..        | 23  | 2   | 21  | 2                   | 1  | —                   | —  | —                   | —   | 13   | —                   | 1 pilgrim died in the Hedjaz.<br>7 pilgrims did not return. |
| Darb el Ahmar ... ..   | 61  | 21  | 54  | 21                  | —  | —                   | —  | —                   | 6   | 36   | —                   | 5 pilgrims died in the Hedjaz<br>and 1 did not return.      |
| Gamâlîya ... ..        | 103   | 17  | 96  | 17                  | 1  | —                   | —  | —                   | 1   | 133  | —                   |   |
| Helwân ... ..          | 6   | 11  | 6   | 10                  | —  | 1                   | —  | —                   | —   | 1  | —                   |   |
| Khalîfa ... ..         | 30  | 3   | 28  | 3                   | —  | —                   | 1  | —                   | —   | 21   | —                   | 1 pilgrim did not return.<br>2 pilgrims died in the Hedjaz. |
| Saiyeda Zeinab ... ..  | 29  | 53  | 26  | 50                  | 1  | 3                   | —  | —                   | 12  | —  | —                   |   |
| Mûsky ... ..           | 13  | 1   | 9   | 1                   | —  | —                   | 3  | —                   | —   | 10   | —                   | 1 pilgrim died in the Hedjaz.                               |
| Old Cairo ... ..       | 12  | 6   | 12  | 6                   | —  | —                   | —  | —                   | —   | 4  | —                   |   |
| Shubra ... ..          | 19  | 5   | 15  | 5                   | —  | —                   | 3  | —                   | 3   | —  | —                   | 1 pilgrim died in the Hedjaz.                               |
| Zeitûn ... ..          | 8   | 1   | 8   | 1                   | —  | —                   | —  | —                   | —   | 11   | —                   |   |
| TOTAL ... ..           | 380   | 178   | 346   | 171                 | 5  | 7                   | 7  | —                   | 26  | 338  | 8                   | 22  |

## V.—SANITARY CONTROL OF PUBLIC WOMEN.

### (a) EXAMINATION ROOMS OF EGYPTIAN PROSTITUTES.

The total number of women registered during 1924 was 1,306 as compared with 1,354 in 1923.

There were 236 new names during the year whilst 463 were struck off the registers for various reasons leaving 843 names at the end of the year as against 1,070 at the end of 1923.

The total number of examinations carried out during 1924 was 25,807 as compared with 33,891 in the previous year. This makes an average of 19·8 examinations per woman as against 25 in 1923 and 23·3 in 1922. (*See Table XXX.*)

#### *Bab el Sha'rîya and Ezbekîya.*

The total number of women registered in these districts was 1,089 out of which 368 were struck off during the year leaving 721 names at the end of the year.

The number of examinations made was 21,075 which gives an average of 19·4 examinations per woman as compared with 26·5 in 1923.

#### *Abbasîya.*

The total number registered was 93, whilst the number of examinations was 2,308 making an average of 24·8.

#### *Saiyeda Zeinab.*

In this district 124 women were registered during the year whilst 64 were struck off during the year.

The total number of examinations made was 2,424 making an average of 19·5 examinations per woman.

#### *Diseases.*

The total number of cases of disease diagnosed during the year was 1,552. Therefore the percentage of examinations exposing diseased conditions was 6·0 per cent as against 5·6 per cent in 1923.

The actual number of women sent to hospital was 647 : that is to say 49·5 per cent of the registered women as compared with 58·4 per cent in 1923.

As explained in the last year's report, these figures are deceptive and cannot represent the true state of venereal disease on account of the measures, adopted by the women to mask their symptoms, being very difficult to control.

#### *Syphilis.*

The total number of cases of syphilis discovered in 1924 was 51 of which 8 were primary and 43 secondary.

#### *Gonorrhœa.*

The total number of cases of gonorrhœa was 1,374 or 88·5 per cent of total number of venereal diseases. Of this total 4 were acute and 1,370 chronic.

#### *Chancroids.*

There were 127 cases of chancroids during the year. Table XXXI.



*Wassermann.*

During the year 8 specimens of blood were examined in the Public Health Laboratories. Of this number 5 were found positive and 3 negative.

*Unregistered Women.*

The total number of unregistered women examined at the request of the Police was 735 as against 840 in 1923 and 651 in 1922.

Out of this total 218 or 29·7 per cent were found diseased as compared with 21·2 in 1923.

There were 156 cases of gonorrhœa, 32 cases of syphilis (3 primary, 28 secondary and 1 tertiary), and 30 cases of chancroids.

(b) EUROPEAN EXAMINATION ROOMS.

The total number of European prostitutes on the registers during 1924 was 434 as compared with 283 in 1923.

Out of this total 202 were new names.

147 women were struck off the registers leaving 287 at the end of the year.

The total number of examinations made during 1924 was 12,575 which gives an average of 29 examinations per woman as against 29·9 in 1923. Table XXXII.

The total number of cases of disease diagnosed was 431, which gives a percentage of 3·4 per cent examinations revealing diseased conditions.

The actual number of women (registered) infected was 264 or 60·1 per cent of the total number of registered women.

Out of the 431 cases of disease 21 were cases of syphilis (5 primary and 16 secondary), 386 of gonorrhœa of which 28 were acute and 358 chronic, and 24 of chancroids. Table XXXIII.

*Unregistered Women.*

There were 10 unregistered women examined at the request of the Police out of which 4 were found suffering from gonorrhœa.

TABLE XXX.—RESULTS OF EXAMINATIONS OF REGISTERED EGYPTIAN WOMEN.

| Districts                           | 1924.                        |   |  |                              |   |  |  |   | 1923.                        |   |  |                              |   |  |  |  |
|-------------------------------------|------------------------------|---|--|------------------------------|---|--|--|---|------------------------------|---|--|------------------------------|---|--|--|--|
|                                     | Number of Women on Register. | Number of Women struck off during the Year. | Number of Women remaining on Registers at end of the Year. | Number of Examinations held. | Average Number of Examinations per Woman. | Number of Women found diseased sent to Hospital. | Number of Cases of Disease discovered. | Percentage of Examination exposing diseased Conditions. | Number of Women on Register. | Number of Women struck off during the Year. | Number of Women remaining on Registers at end of the Year. | Number of Examinations held. | Average Number of Examinations per Woman. | Number of Women found diseased sent to Hospital. | Number of Cases of Disease discovered. | Percentage of Examinations exposing diseased Conditions. |
| Báb el Sha'riya and Ezbekiya ... .. | 1,089                        | 368   | 721  | 21,075                       | 19·4                                      | —  | 1,265                                  | 6·0   | 1,097                        | 232   | 865  | 28,165                       | 26·5                                      | —  | 1,616                                  | 5·0  |
| 'Abbásiya ... ..                    | 93                           | 31  | 62   | 2,308                        | 24·8                                      | —  | 155                                    | 6·7   | 107                          | 22  | 85   | 2,782                        | 26·0                                      | —  | 132                                    | 4·7  |
| Saiyeda Zeinab ... ..               | 124                          | 64  | 60   | 2,424                        | 19·5                                      | —  | 132                                    | 5·4   | 150                          | 30  | 120  | 2,953                        | 19·6                                      | —  | 144                                    | 4·9  |
| TOTALS ... ..                       | 1,306                        | 463   | 843  | 25,807                       | 19·8                                      | 647  | 1,552                                  | 6·0   | 1,354                        | 284   | 1,070  | 33,891                       | 25·0                                      | 791  | 1,892                                  | 5·6  |



TABLE XXXI.—VENEREAL DISEASES DISCOVERED AMONG EGYPTIAN REGISTERED WOMEN.

| DISEASE.            |                 | 1924                           |             |                 |        | 1923                           |             |                 |        |
|---------------------|-----------------|--------------------------------|-------------|-----------------|--------|--------------------------------|-------------|-----------------|--------|
|                     |                 | Bâb el Sha'riya and Ezbeki'ya. | ʿAbbâsi'ya. | Saiyeda Zeinab. | TOTAL. | Bâb el Sha'riya and Ezbeki'ya. | ʿAbbâsi'ya. | Saiyeda Zeinab. | TOTAL. |
| Syphilis ...        | { Primary ...   | 6                              | 2           | —               | 8      | 11                             | —           | 1               | 12     |
|                     | { Secondary ... | 37                             | 4           | 2               | 43     | 59                             | 3           | 6               | 68     |
|                     | { Tertiary ...  | —                              | —           | —               | —      | —                              | —           | —               | —      |
| Total Syphilis ...  |                 | 43                             | 6           | 2               | 51     | 70                             | 3           | 7               | 80     |
| Gonorrhœa {         | Acute ...       | 1                              | —           | 3               | 4      | 19                             | —           | —               | 19     |
|                     | Chronic ...     | 1,132                          | 124         | 114             | 1,370  | 1,373                          | 113         | 126             | 1,612  |
| Total Gonorrhœa ... |                 | 1,133                          | 124         | 117             | 1,374  | 1,392                          | 113         | 126             | 1,631  |
| Chaneroid ... ..    |                 | 89                             | 25          | 13              | 127    | 154                            | 16          | 11              | 181    |
| TOTAL DISEASE ...   |                 | 1,265                          | 155         | 132             | 1,552  | 1,616                          | 132         | 144             | 1,892  |

TABLE XXXII.—RESULTS OF EXAMINATIONS OF REGISTERED EUROPEAN WOMEN.

| YEAR.       | Total Number of Women registered during the Year. | Number of Women struck off during the Year. | Number of Women remaining at the End of the Year. | Total Number of Examinations held during the Year. | Average Number of Examinations per Woman. | Number of Women found Diseased. | Percentage of Examinations exposing diseased Conditions. |
|-------------|---|---|---|--|---|---------------------------------|--|
|             |   |   |   |  |   |                                 | Per cent   |
| 1922 ... .. | 308   | 105   | 203   | 8,876  | 28·8                                      | 198                             | 2·2  |
| 1923 ... .. | 283   | 57  | 232   | 8,463  | 29·9                                      | 290                             | 3·4  |
| 1924 ... .. | 434   | 147   | 287   | 12,575   | 29·0                                      | 431                             | 3·4  |

TABLE XXXIII.—VENEREAL DISEASES AMONG EUROPEAN REGISTERED WOMEN.

| DISEASE.              |                  |  |  |  |  |  |  |  |  | 1922. | 1923. | 1924. |
|-----------------------|------------------|--|--|--|--|--|--|--|--|-------|-------|-------|
| Syphilis {            | Primary ... ..   |  |  |  |  |  |  |  |  | 1     | 4     | 5     |
|                       | Secondary ... .. |  |  |  |  |  |  |  |  | 11    | 16    | 16    |
|                       | Tertiary ... ..  |  |  |  |  |  |  |  |  | 0     | 0     | 0     |
| TOTAL SYPHILIS ... .. |                  |  |  |  |  |  |  |  |  | 12    | 20    | 21    |
| Gonorrhœa {           | Acute ... ..     |  |  |  |  |  |  |  |  | 4     | 15    | 28    |
|                       | Chronic ... ..   |  |  |  |  |  |  |  |  | 176   | 250   | 358   |
| TOTAL GONORRHŒA... .. |                  |  |  |  |  |  |  |  |  | 180   | 265   | 386   |
| Chaneroid... ..       |                  |  |  |  |  |  |  |  |  | 6     | 5     | 24    |
| TOTAL DISEASES ... .. |                  |  |  |  |  |  |  |  |  | 198   | 290   | 431   |

## VI.—UNHEALTHY, INCONVENIENT AND DANGEROUS ESTABLISHMENTS.

Under the law of August 28, 1904 and the *Arrêté* of the Ministry of the Interior of August 29, of the same year, 2,256 establishments (Saha Division), coming under this Office, and 556 (Zabt Division), a total of 2,812 were licensed during 1924, after compliance with the sanitary conditions laid down by this Inspectorate and verified by subsequent inspections. The number in 1923 was 2,286.

Of the 2,812 establishments dealt with, 138 were establishments under Class I. of the Schedule attached to the law, as against 115 in 1923. 2,123 were establishments in Class II. as compared with 1,663 in 1923, 551 in Class III. as compared with 508 in 1923.

Hereunder is a detailed list of the various establishments in each class licensed in 1924.

### CLASS I.

|   |            |
|---|------------|
| Sweat-meat factories ... ..   | 13         |
| Ovens and bakeries for trade purposes or for the use of the Public ... .. | 31         |
| Pastry and alimentary paste factories ... ..                              | 10         |
| Butter substitute factories... ..   | 1          |
| Ice-cream factories ... ..  | 7          |
| Aerated water factories ... ..  | 5          |
| Dairies (for the sale and handling of milk) ... ..                        | 25         |
| Preserved meat factories ... ..   | 4          |
| Natural butter factories ... ..   | 1          |
| Tanneries ... ..  | 2          |
| Tobacco and cigarette factories ... ..                                    | 3          |
| Distilleries ... ..   | 1          |
| Cheese factories ... ..   | 1          |
| Ice factories ... ..  | 1          |
| Mineral acids and chemical products factories and depots ... ..           | 1          |
| Dye-shops employing mechanical power ... ..                               | 1          |
| <b>TOTAL ...</b>  | <b>107</b> |

### *Zabt Establishments.*

|  |            |
|--|------------|
| Foundries employing mechanical power ... ..      | 19         |
| Printing press employing mechanical power ... .. | 3          |
| Garages employing mechanical power ... ..        | 6          |
| Electric motor power ... ..                      | 1          |
| Mineral acids depots ... ..                      | 1          |
| Glass bevelling factories ... ..                 | 1          |
| <b>TOTAL ...</b>                                 | <b>31</b>  |
| <b>GRAND TOTAL ... ..</b>                        | <b>138</b> |

### CLASS II.

### *Saha Establishments.*

|   |              |
|---|--------------|
| Fried fish and <i>t'amia</i> shops ... ..               | 345          |
| Groceries ... ..  | 907          |
| Retail oil-shops (for the sale of vegetable oil) ... .. | 5            |
| Flour depots ... ..                                     | 129          |
| Public stables ... ..                                   | 52           |
| Flour mills ... ..                                      | 4            |
| Public kitchens ... ..                                  | 52           |
| Meat roasting establishments ... ..                     | 16           |
| Retail <i>fessikh</i> establishments ... ..             | 8            |
| Coffee mills ... ..                                     | 12           |
| Dye-workshops ... ..                                    | 8            |
| Vinegar factories ... ..                                | 1            |
| Sugar-cane crushing establishments ... ..               | 1            |
| <i>Buza</i> establishments ... ..                       | 5            |
| Gypsum and <i>homra</i> kilns ... ..                    | 3            |
| <b>Carried forward ...</b>                              | <b>1,548</b> |





Table XXXVII shows that the number of milk samples taken was 1,069. Of these 261 were found adulterated and 808 genuine as compared with 860 taken in 1923 of which 199 were found adulterated and 661 genuine.

Table XXXVIII shows that 641 samples of aerated waters were taken as compared with 556 in 1923. In one case only lactose fermentation organisms in 10 c.c. were found against 15 cases in 1923. These results are highly satisfactory.

TABLE XXXIV.—RELATIVE OCCURRENCE OF FAULTY CONDITIONS IN FOOD STUFFS ESTABLISHMENTS INSPECTED IN 1923 AND 1924.

| NATURE OF ESTABLISHMENT.                               | Percentage of Visits in which Faulty Conditions were found. |           |
|--|---|-----------|
|  | 1923  | 1924      |
|  | Per cent.   | Per cent. |
| Grocers' shops ... ..                                  | 1·97  | 2·86      |
| Butchers' shops... ..                                  | 1·60  | 2·65      |
| Bakeries ... ..  | 4·81  | 11·55     |
| Restaurants and public kitchens ... ..                 | 3·10  | 9·57      |
| Confectionery manufactories... ..                      | 5·80  | 16·05     |
| Oilmen's shops * ... ..                                | 1·36  | —         |
| Poultry shops ... ..                                   | 1·83  | 2·79      |
| Dairies and milk shops ... ..                          | 4·32  | 11·06     |
| Vegetable dealers' shops... ..                         | 7·02  | 7·99      |
| Fish shops ... ..                                      | 2·22  | 1·80      |
| Aerated water factories ... ..                         | was included under other Establishments.                    | 0·0       |
| Ice Factories ... ..                                   | same  | 0·0       |
| Other establishments including oilmen's shops * ... .. | 4·57  | 7·22      |
| TOTAL ... ..   | 3·12  | 6·10      |

REPORT SUBMITTED BY THE CHIEF SANITARY INSPECTOR (FOOD AND NUISANCE INSPECTOR) ON THE WORK CARRIED OUT DURING THE YEAR 1924.

During the year, 17 *Mo'aweneen* were sent by the C.A. for training before their appointment in Cairo and the provinces. Lectures were given mainly by the Chief Sanitary Inspector and inspections of *Etablissements Insalubres* made by these *Mo'aweneen* under his supervision.

It will be noted from an attached list that the number of visits paid to certain establishments by the *Mo'aweneen* and Chief Food Inspector appears at first sight to show a considerable decrease in the number on those made in 1923. Table XXXIX.

This however, is only relative taking into consideration the fact that, one of the *Mo'aweneen* left Cairo to take up duty at Port Said at the beginning of July, and that the time of the Senior Food Inspector was greatly occupied in giving instructions to those who are undergoing training as *Mo'aweneen* thus curtailing his available time for visits outdoors.

It may be remarked, however, that though the total number of inspections made has decreased for the reasons just detailed, yet the actual amount of work performed by the members of the staff who remain has increased very considerably.

Mineral Waters.

As pointed out in the report for 1923 a considerable improvement in regard to the purity of aerated waters, as shown by the analysis of samples taken, was observed for that year, the proportion showing lactose fermenters being only 2·7 per cent of the total in comparison with the year previous which was 9 per cent. This improved result, as was anticipated, has been more than maintained in 1924, as only one bad result during the whole year has been shown, although the number of samples taken was considerably larger (*viz* : 641 against 556 in 1923) showing a percentage of 15 only.

Considering the enormous quantity of these beverages manufactured and consumed, the results are very satisfactory.



Ice Factories.

Special attention has been paid to another important section, viz: the process of manufacture in ice factories and the results in this case have also proved considerably more satisfactory than in previous years.

In 1922 the percentage of unsatisfactory results were 23 per cent in 1923 18 per cent whilst for 1924 it decreased to 10 per cent.

Although the number of samples taken still shows a fairly large percentage of unsatisfactory results, percentage should be taken as detracting from value of the results achieved; apart from the lesser percentage of bad results now shown, it may be observed that of the 15 samples found to be unsatisfactory (with the exception of two in which the number of lactose were abnormally high) 10 did not contain more than 3 in 10 c.c.

Table showing visits paid to the important establishments by the *Mo'aweneen* and Senior Food Inspector, also number of samples of aerated waters and ice taken for analysis and comparison of work carried out during the year 1924 and previous year.

|                                      | 1924  | 1923  |
|--------------------------------------|-------|-------|
| Visits <i>re</i> complaints... ..    | 96    | 200   |
| Re-visits ... ..                     | 89    | 107   |
| Visits, (various) ... ..             | 145   | 243   |
| Re-visits „ ... ..                   | 54    | 110   |
| Visits <i>re</i> plans ... ..        | 32    | 70    |
| Re-visits „ ... ..                   | 5     | 27    |
| Markets inspected ... ..             | 135   | 315   |
| Visits, bakeries... ..               | 975   | 1,421 |
| „ ice factories ... ..               | 213   | 178   |
| „ mineral water ... ..               | 384   | 418   |
| „ cow sheds ... ..                   | 310   | 453   |
| „ milk shops ... ..                  | 428   | 647   |
| „ <i>re</i> mosquitoes... ..         | 12    | 231   |
| Samples, ice taken ... ..            | 147   | 125   |
| Samples, mineral waters taken ... .. | 641   | 556   |
| Samples, Other Articles ... ..       | 2     | 6     |
| TOTAL ... ..                         | 3,665 | 5,117 |
| Water closets cleared ... ..         | 9     | 72    |
| „ „ cleansed ... ..                  | 12    | 125   |
| Urinals cleaned... ..                | 31    | 127   |
| Ventilating shafts repaired ... ..   | 39    | 33    |
| Waste pipes trapped ... ..           | 116   | 121   |
| Premises limewashed ... ..           | 2,118 | 1,764 |
| Rubbish removed ... ..               | 1,195 | 1,385 |
| Floors repaired... ..                | 1,116 | 947   |
| Ice chests repaired ... ..           | 447   | 375   |
| Tables covered ... ..                | 739   | 625   |
| Stands provided ... ..               | 725   | 710   |
| Utensils retinned ... ..             | 966   | 987   |
| Chimneys raised ... ..               | 478   | 442   |
| Cesspits abolished ... ..            | 143   | 43    |
| Premises connected to Sewers ... ..  | 89    | —     |
| TOTAL ... ..                         | 8,293 | 7,756 |

In addition to the visits paid to aerated water and ice factories for the purpose of taking samples, a considerable number of visits were made when they were not producing their respective commodities, the latter time being often better for getting improvements or alterations carried out than when they are working at high pressure.

Unsound Food.

Appended is a list of unsound articles of food found in small quantities only at different establishments in the course of inspection and destroyed voluntarily by the various owners, the total number being 571 and showing an increase of 255 articles over those destroyed in the same manner during 1923.

General Remarks.

The results generally for the year have been fairly satisfactory, but as pointed out in the last year's report, until each Qism has at least one *Mo'awen* it is hopeless to expect any great or lasting improvement owing to the inertia of owners of establishments generally.

As regards the training of the new *Mo'aweneen*, which is still under progress, although some of them show fairly good capacity and interest in the work, a considerable amount of watchfulness will have to be maintained to prevent over officiousness on the one hand and inertia or carelessness on the other.

LIST SHOWING THE QUANTITIES OF DETERIORATED FOODSTUFFS  
DESTROYED DURING THE YEAR 1924.

| Nature of Foodstuffs.             | Quantity<br>of Genuine Articles. | Deteriorated and<br>destroyed Articles.  |
|-----------------------------------|----------------------------------|--|
| Jam (various kinds) ... ..        | 597 Tins                         | 384 Tins.  |
| Cheese ... ..                     | 1 Box                            | 79 Okes.   |
| Preserved meat ... ..             | —                                | 180 Tins.  |
| Meat ... ..                       | —                                | 192 1/2 Rottles.   |
| Milk... ..                        | —                                | { 11 Rottles and<br>28 Tins.   |
| Butter ... ..                     | 92 Rottles and<br>6 Specimens    | 9 Samples and the<br>stock was sold by<br>order of Parquet.<br><br>1 Sample but not un-<br>fit for human con-<br>sumption.<br><br>22 Rottles, Stock is<br>kept pending the is-<br>sue of a judgment.<br><br>1 Tin.<br>1 Pan. |
| Oil ... ..                        | —                                | 17 Rottles.  |
| Fat ... ..                        | —                                | 1 Sample and the<br>stock sold before<br>knowing the result.   |
| Sardines ... ..                   | 1 Tin                            | 2,105 Tins.  |
| Fish... ..                        | —                                | { 25 Rottles<br>200 Tins of Salmon<br>400 Okes of Bacala,<br>dried fish.   |
| Herrings... ..                    | —                                | 649 Tins.  |
| Sardines with sauce ... ..        | —                                | 100 „  |
| Sauce ... ..                      | —                                | 1,291 „  |
| Quails (preserved in tins) ... .. | —                                | 7 „  |
| Sausage ... ..                    | 1 Sample                         | —  |
| Pig liver ... ..                  | 1 „                              | —  |
| Biscuits ... ..                   | —                                | 28 „   |
| Soup ... ..                       | —                                | 21 „   |
| Chestnuts ... ..                  | —                                | 17 Okes.   |



LIST SHOWING THE QUANTITIES OF DETERIORATED FOODSTUFFS  
DESTROYED DURING THE YEAR 1924 (*continued*).

| Nature of Food stuffs.      | Quantity<br>of Genuine Articles. | Deteriorated and<br>destroyed Articles.   |
|-----------------------------|----------------------------------|---|
| Syrup ... ..                | 52 Bottles                       | —   |
| Mushrooms ... ..            | —                                | 40 Tins.  |
| Vegetables ... ..           | —                                | { 410 Rottles of tomatoes.<br>51 Okses of potatoes.   |
| Preserved vegetables ... .. | —                                | { 6,912 Tins of Pork and Beans.<br>2,805 Tins.<br>260 Tins of peas.   |
| Macaroni with meat ... ..   | —                                | 13 Tins.  |
| Fruits ... ..               | —                                | 46 Okses of apricots.<br>254 „ „ apples.<br>1 Basket.<br>624 Oranges.<br>193 Okses of Pears.<br>50 Pears in number.<br>1 Basket of grenadine.<br>44 Okses of peaches.<br>5 Okses of grapes.<br>60 Rottles of unripe dates.<br>56 Okses of quince: |
| Preserved fruits ... ..     | 190 Small boxes                  | 140 Boxes at the Bureau of Commerce and Industry (These have not been destroyed by the Inspectorate):<br>290 Tins (various).<br>29 „ of cherry.<br>29 „ „ pears.<br>15 „ „ apricots.<br>11 „ „ bananas,   |
| Dried fruits ... ..         | —                                | 1 „ „ figs.<br>18 Sacks of walnut.  |

TABLE XXXV.—RESULT OF INSPECTIONS DURING 1924.

| DISTRICT.              | Total Number<br>of<br>Inspections. | Number showing<br>Satisfactory<br>Conditions. | Percentage<br>of Satisfactory<br>Conditions. | Number showing<br>Unsatisfactory<br>Conditions. | Percentage of<br>Unsatisfactory<br>Conditions. |
|------------------------|------------------------------------|---|--|---|--|
| Ezbekîya ... ..        | 3,066                              | 2,898   | 94·51  | 168   | 5·48   |
| Khalifa ... ..         | 255                                | 210   | 93·33  | 15  | 6·66   |
| Bab el Sha'riya ... .. | 3,012                              | 2,745   | 91·10  | 267   | 8·89   |
| Bûlâq I ... ..         | 2,737                              | 2,548   | 92·36  | 209   | 7·63   |
| Darb el Ahmar ... ..   | 967                                | 921   | 95·24  | 46  | 4·75   |
| Gamâliya ... ..        | 536                                | 485   | 90·47  | 51  | 9·52   |
| ‘Abdîn ... ..          | 3,110                              | 2,998   | 96·39  | 112   | 3·60   |
| Zeitûn ... ..          | 760                                | 727   | 95·52  | 33  | 4·47   |
| Bûlâq II ... ..        | 880                                | 855   | 97·15  | 25  | 2·84   |
| Mûsky ... ..           | 2,077                              | 1,877   | 90·37  | 200   | 9·62   |
| ‘Abbâsiya ... ..       | 549                                | 538   | 98·0   | 11  | 2·0  |
| Shûbra ... ..          | 598                                | 537   | 89·80  | 61  | 10·20  |
| Helwân ... ..          | 321                                | 275   | 85·66  | 46  | 14·33  |
| Saiyeda Zeinab ... ..  | 1,982                              | 1,940   | 97·88  | 42  | 2·11   |
| Old Cairo ... ..       | 337                                | 331   | 98·21  | 6   | 1·78   |
| TOTAL ... ..           | 21,157                             | 19,865  | 93·89  | 1,292   | 6·10   |

TABLE XXXVI.—OBJECTIONABLE, UNHEALTHY AND DANGEROUS ESTABLISHMENTS, PREVIOUSLY EXISTING ESTABLISHMENTS INSPECTED IN 1924.

| NATURE OF ESTABLISHMENTS.           | JANUARY.                 |                    | FEBRUARY.                |                    | MARCH.                   |                    | APRIL.                   |                    | MAY.                     |                    | JUNE.                    |                    | JULY.                    |                    | AUGUST.                  |                    | SEPTEMBER.               |                    | OCTOBER.                 |                    | NOVEMBER.                |                    | DECEMBER.                |                    | TOTAL.                   |                    | PER CENT.                |                    |
|-------------------------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------|
|                                     | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. | Satisfactory Conditions. | Faulty Conditions. |
| Grocers' shops ...                  | 634                      | 19                 | 528                      | 22                 | 654                      | 29                 | 612                      | 12                 | 741                      | 16                 | 522                      | 21                 | 397                      | 14                 | 415                      | 7                  | 524                      | 7                  | 591                      | 11                 | 733                      | 22                 | 589                      | 25                 | 6,940                    | 207                | 97.13                    | 2.86               |
| Butchers' shops ...                 | 106                      | 3                  | 108                      | 3                  | 110                      | 6                  | 162                      | 1                  | 183                      | 2                  | 45                       | 6                  | 89                       | 2                  | 68                       | 2                  | 74                       | 1                  | 118                      | 4                  | 95                       | 1                  | 95                       | 3                  | 1,253                    | 34                 | 97.34                    | 2.65               |
| Bakeries... ..                      | 73                       | 1                  | 77                       | 12                 | 82                       | 12                 | 95                       | 13                 | 103                      | 15                 | 87                       | 12                 | 50                       | 10                 | 43                       | 7                  | 82                       | 11                 | 76                       | 9                  | 91                       | 11                 | 67                       | 8                  | 926                      | 121                | 88.44                    | 11.55              |
| Restaurants with public kitchens... | 162                      | 9                  | 183                      | 21                 | 180                      | 40                 | 210                      | 17                 | 150                      | 14                 | 162                      | 20                 | 115                      | 16                 | 66                       | 1                  | 140                      | 8                  | 149                      | 3                  | 186                      | 20                 | 183                      | 31                 | 1,886                    | 200                | 90.42                    | 9.57               |
| Confectionary establishments ...    | 21                       | 3                  | 22                       | 3                  | 32                       | 5                  | 41                       | 9                  | 48                       | 10                 | 36                       | 14                 | 26                       | 10                 | 20                       | 2                  | 20                       | 1                  | 38                       | 4                  | 32                       | 3                  | 14                       | 3                  | 350                      | 67                 | 83.94                    | 16.05              |
| Cow sheds (Zeribas).                | 45                       | —                  | 24                       | 1                  | 18                       | —                  | 22                       | —                  | 20                       | 10                 | 31                       | 15                 | 25                       | 12                 | 14                       | 10                 | 30                       | 18                 | 21                       | 6                  | 14                       | —                  | 6                        | 3                  | 270                      | 74                 | 78.48                    | 21.51              |
| Poulterers' shops ...               | 37                       | 1                  | 60                       | 1                  | 41                       | 3                  | 33                       | 1                  | 72                       | 1                  | 9                        | 1                  | 32                       | 1                  | 44                       | —                  | 40                       | —                  | 83                       | —                  | 57                       | 3                  | 49                       | 4                  | 557                      | 16                 | 97.20                    | 2.79               |
| Dairies and milk shops ...          | 39                       | 5                  | 46                       | 7                  | 60                       | 5                  | 50                       | 4                  | 34                       | 5                  | 11                       | 9                  | 31                       | 2                  | 31                       | 2                  | 44                       | 2                  | 41                       | 6                  | 39                       | 6                  | 28                       | 5                  | 457                      | 58                 | 88.93                    | 11.06              |
| Vegetable dealers' shops ...        | 113                      | 16                 | 111                      | 3                  | 113                      | 14                 | 92                       | 17                 | 114                      | 3                  | 54                       | 15                 | 89                       | 10                 | 96                       | 1                  | 97                       | 2                  | 73                       | —                  | 119                      | 10                 | 92                       | 10                 | 1,163                    | 101                | 92.0                     | 7.99               |
| Fish shops ...                      | 30                       | —                  | 52                       | 2                  | 57                       | 2                  | 25                       | —                  | 43                       | 2                  | 8                        | —                  | 39                       | 1                  | 47                       | —                  | 28                       | —                  | 46                       | —                  | 46                       | —                  | 25                       | 1                  | 446                      | 8                  | 98.19                    | 1.80               |
| Other establishments                | 509                      | 11                 | 656                      | 41                 | 495                      | 30                 | 672                      | 67                 | 295                      | 22                 | 255                      | 29                 | 315                      | 75                 | 163                      | 10                 | 509                      | 29                 | 368                      | 23                 | 476                      | 40                 | 523                      | 31                 | 5,236                    | 408                | 92.77                    | 7.22               |
| Aerated waters ...                  | 29                       | —                  | 39                       | —                  | 34                       | —                  | 41                       | —                  | 38                       | —                  | 31                       | —                  | 35                       | —                  | 1                        | —                  | 36                       | —                  | 32                       | —                  | 24                       | —                  | 20                       | —                  | 360                      | —                  | 100                      | —                  |
| Ice factories ...                   | —                        | —                  | —                        | —                  | —                        | —                  | 2                        | —                  | —                        | —                  | 3                        | —                  | 3                        | —                  | 3                        | —                  | 6                        | —                  | 4                        | —                  | —                        | —                  | —                        | —                  | 21                       | —                  | 100                      | —                  |
| TOTAL ...                           | 1,798                    | 68                 | 1,906                    | 115                | 1,876                    | 146                | 2,057                    | 141                | 1,841                    | 100                | 1,254                    | 142                | 1,249                    | 153                | 1,011                    | 42                 | 1,630                    | 79                 | 1,640                    | 66                 | 1,912                    | 116                | 1,691                    | 124                | 19,865                   | 1,292              | 93.89                    | 6.10               |



TABLE XXXVII.—SHOWING MILK SAMPLES COLLECTED DURING THE YEAR 1924.

| DISTRICTS.       |                                     | January. | February. | March.   | April.  | May.     | June.    | July.    | August.  | September. | October. | November. | December. | TOTAL.     |
|------------------|-------------------------------------|----------|-----------|----------|---------|----------|----------|----------|----------|------------|----------|-----------|-----------|------------|
| Bûlâq I          | ... { Genuine ...<br>Adulterated... | 3<br>1   | 4<br>3    | 3<br>—   | —<br>—  | 3<br>2   | 3<br>1   | —<br>—   | —<br>—   | 4<br>4     | 3<br>3   | —<br>3    | 2<br>2    | 25<br>19   |
| Gamâliya         | ... { Genuine ...<br>Adulterated... | 5<br>—   | 2<br>3    | 3<br>1   | —<br>—  | 1<br>1   | 2<br>—   | —<br>—   | 2<br>1   | 1<br>1     | 3<br>2   | —<br>—    | 2<br>—    | 21<br>9    |
| ‘Abbâsiya        | ... { Genuine ...<br>Adulterated... | —<br>—   | 19<br>7   | 15<br>1  | —<br>—  | 6<br>1   | 6<br>—   | —<br>—   | —<br>—   | —<br>—     | 5<br>2   | 10<br>3   | 4<br>2    | 65<br>16   |
| Bûlâq II         | ... { Genuine ...<br>Adulterated... | 2<br>1   | —<br>—    | 2<br>1   | —<br>—  | 4<br>—   | —<br>—   | —<br>—   | —<br>—   | —<br>—     | 4<br>—   | 1<br>—    | 2<br>1    | 15<br>3    |
| Khalifa          | ... { Genuine ...<br>Adulterated... | 2<br>1   | 2<br>—    | 7<br>—   | —<br>—  | 5<br>—   | 3<br>—   | 6<br>—   | 7<br>2   | 4<br>—     | —<br>—   | 3<br>1    | 4<br>3    | 43<br>7    |
| Ezbekiyya        | ... { Genuine ...<br>Adulterated... | 3<br>3   | 5<br>2    | 10<br>6  | —<br>—  | 4<br>2   | 1<br>6   | 3<br>6   | 8<br>2   | 2<br>5     | 3<br>7   | 7<br>3    | 6<br>2    | 50<br>44   |
| ‘Abdîn           | ... { Genuine ...<br>Adulterated... | 5<br>5   | 13<br>4   | 8<br>2   | 8<br>2  | 10<br>—  | 5<br>2   | —<br>—   | 13<br>2  | 4<br>6     | 12<br>6  | 8<br>2    | 11<br>6   | 97<br>37   |
| Shubra           | ... { Genuine ...<br>Adulterated... | 7<br>9   | 5<br>2    | 3<br>2   | 7<br>—  | 3<br>3   | 4<br>—   | 8<br>1   | —<br>—   | 10<br>5    | 5<br>4   | 7<br>1    | 9<br>1    | 68<br>26   |
| Mûsky            | ... { Genuine ...<br>Adulterated... | —<br>—   | 10<br>—   | 8<br>1   | —<br>—  | 8<br>2   | 17<br>3  | 5<br>5   | —<br>—   | 3<br>5     | 12<br>4  | 11<br>5   | 2<br>2    | 76<br>27   |
| Darb el Ahmar    | ... { Genuine ...<br>Adulterated... | 7<br>—   | 3<br>—    | 7<br>1   | —<br>—  | 3<br>1   | 3<br>1   | —<br>—   | 4<br>5   | 6<br>4     | 1<br>1   | 7<br>—    | 3<br>—    | 44<br>13   |
| Bâb el Sha‘riyya | ... { Genuine ...<br>Adulterated... | 3<br>1   | 4<br>1    | 8<br>—   | —<br>—  | 9<br>1   | 6<br>4   | 4<br>3   | 5<br>3   | 5<br>2     | 6<br>1   | —<br>—    | 7<br>8    | 57<br>24   |
| Saiyeda Zeinab   | ... { Genuine ...<br>Adulterated... | 8<br>2   | 8<br>1    | 10<br>—  | —<br>—  | 7<br>3   | 10<br>—  | 12<br>2  | 7<br>2   | 10<br>—    | 7<br>3   | 9<br>1    | 7<br>2    | 95<br>16   |
| Old Cairo        | ... { Genuine ...<br>Adulterated... | 5<br>1   | 12<br>2   | 6<br>—   | —<br>—  | 9<br>—   | 8<br>—   | —<br>—   | 1<br>—   | —<br>—     | —<br>—   | —<br>—    | —<br>—    | 41<br>3    |
| Zeitûn           | ... { Genuine ...<br>Adulterated... | 6<br>—   | 7<br>—    | 7<br>2   | 1<br>—  | 17<br>—  | 2<br>1   | 10<br>1  | 4<br>—   | 8<br>—     | —<br>—   | 6<br>1    | 5<br>—    | 73<br>5    |
| Helwân           | ... { Genuine ...<br>Adulterated... | —<br>—   | 5<br>1    | —<br>—   | 6<br>1  | 4<br>2   | —<br>—   | 3<br>1   | 7<br>2   | 1<br>—     | —<br>—   | 10<br>3   | —<br>—    | 36<br>10   |
| TOTAL...         | ... { Genuine ...<br>Adulterated... | 56<br>24 | 99<br>26  | 97<br>17 | 22<br>3 | 93<br>18 | 70<br>18 | 51<br>19 | 58<br>19 | 58<br>32   | 61<br>33 | 79<br>23  | 64<br>29  | 808<br>261 |
| GRAND TOTAL      | ...                                 | 80       | 125       | 114      | 25      | 111      | 88       | 70       | 77       | 90         | 94       | 102       | 93        | 1069       |

TABLE XXXVIII.— RESULT OF THE CHEMICAL AND BACTERIOLOGICAL EXAMINATION  
OF SAMPLES OF AERATED WATERS DURING 1924.

| MONTH.           | Total<br>No. of Samples<br>examined. | Number of Samples in which the Number of Lactose Fermentation<br>Organisms found in 10 c.c. |              |                      |              |
|------------------|--------------------------------------|---|--------------|----------------------|--------------|
|                  |                                      | Was none.   | Was below 5. | Was between<br>5-10. | Exceeded 10. |
| January ... ..   | 40                                   | 40  | nil.         | nil.                 | nil.         |
| February ... ..  | 65                                   | 65  | ”            | ”                    | ”            |
| March ... ..     | 63                                   | 63  | ”            | ”                    | ”            |
| April ... ..     | 71                                   | 71  | ”            | ”                    | ”            |
| May ... ..       | 64                                   | 64  | ”            | ”                    | ”            |
| June ... ..      | 57                                   | 57  | ”            | ”                    | ”            |
| July ... ..      | 59                                   | 59  | ”            | ”                    | ”            |
| August ... ..    | 48                                   | 48  | ”            | ”                    | ”            |
| September ... .. | 58                                   | 57  | ”            | ”                    | 1            |
| October ... ..   | 48                                   | 48  | ”            | ”                    | nil.         |
| November ... ..  | 37                                   | 37  | ”            | ”                    | ”            |
| December ... ..  | 31                                   | 31  | ”            | ”                    | ”            |
| TOTAL... ..      | 641                                  | 640   | 0            | 0                    | 1            |



TABLE XXXIX.—SHOWING THE NUMBER OF FOODSTUFF AND UNHEALTHY ESTABLISHMENTS INSPECTED BY SANITARY OVERSEERS OF CAIRO HEALTH INSPECTORATE DURING 1924.

| DISTRICT.       | Grocers. |     | Butchers. |    | Bakeries. |     | Public Kitchens. |     | Confectioners. |    | Oil Stores. |    | Poultry Shops. |    | Dairies and Milk Shops. |    | Vegetables. |     | Fish Shops. |    | Aerated Waters. |    | Ice Factories. |    | Other Establishments. |     | Total. |       | Grand Total. |
|-----------------|----------|-----|-----------|----|-----------|-----|------------------|-----|----------------|----|-------------|----|----------------|----|-------------------------|----|-------------|-----|-------------|----|-----------------|----|----------------|----|-----------------------|-----|--------|-------|--------------|
|                 | Cl.      | F.  | Cl.       | F. | Cl.       | F.  | Cl.              | F.  | Cl.            | F. | Cl.         | F. | Cl.            | F. | Cl.                     | F. | Cl.         | F.  | Cl.         | F. | Cl.             | F. | Cl.            | F. | Cl.                   | F.  | Cl.    | F.    |              |
| Ezbekiya ...    | 524      | 28  | 145       | 8  | 90        | 22  | 379              | 39  | 58             | 5  | 12          | —  | 80             | 6  | 91                      | 10 | 129         | 11  | 118         | 2  | 185             | —  | —              | —  | 1,087                 | 37  | 2,898  | 168   | 3,066        |
| Khalifa ...     | 100      | 2   | 20        | —  | 4         | 3   | 10               | 1   | 3              | —  | —           | —  | 10             | —  | 2                       | —  | 11          | —   | 5           | —  | —               | —  | —              | —  | 45                    | 9   | 210    | 15    | 225          |
| Bâb el Sha'riya | 857      | 21  | 79        | 4  | 150       | 29  | 303              | 35  | 57             | 26 | 104         | 47 | 17             | 1  | 36                      | 6  | 82          | 10  | 15          | 3  | 164             | —  | —              | —  | 881                   | 85  | 2,745  | 267   | 3,012        |
| Bulâq I ...     | 856      | 21  | 200       | 1  | 131       | 11  | 288              | 30  | 29             | 11 | 20          | 11 | 24             | 2  | 21                      | 5  | 75          | 7   | 15          | 2  | 4               | —  | —              | —  | 865                   | 108 | 2,528  | 209   | 2,737        |
| Darb el Ahmar   | 342      | 8   | 57        | —  | 58        | 1   | 151              | 22  | 4              | 2  | 4           | —  | 5              | —  | 15                      | —  | 49          | 6   | —           | —  | —               | —  | —              | —  | 236                   | 7   | 921    | 46    | 967          |
| Gamâliya ...    | 253      | 12  | 21        | 5  | 23        | 1   | 56               | 7   | 14             | 2  | —           | —  | —              | —  | —                       | 5  | 20          | 1   | 4           | —  | —               | —  | —              | —  | 94                    | 18  | 485    | 51    | 536          |
| 'Abdîn ...      | 1,381    | 44  | 279       | 3  | 99        | 21  | 111              | 11  | 67             | —  | 76          | 14 | 194            | —  | 110                     | 9  | 251         | —   | 137         | —  | —               | —  | —              | —  | 293                   | 10  | 2,998  | 112   | 3,110        |
| Zeitûn...       | 222      | 14  | 63        | —  | 40        | 8   | 43               | 5   | 9              | —  | —           | —  | 62             | —  | 41                      | —  | 103         | —   | 50          | —  | —               | —  | —              | —  | 90                    | 6   | 727    | 33    | 760          |
| Bulâq II ...    | 425      | 7   | 49        | 1  | 19        | 2   | 28               | 3   | 16             | —  | 34          | —  | 29             | —  | 23                      | 2  | 70          | —   | 38          | —  | 1               | —  | —              | —  | 123                   | 10  | 855    | 25    | 880          |
| Mûsky ...       | 675      | 4   | 159       | 2  | 111       | 12  | 103              | 14  | 65             | 19 | 9           | —  | 77             | 6  | 43                      | 17 | 211         | 53  | 39          | —  | 3               | —  | —              | —  | 382                   | 73  | 1,877  | 200   | 2,077        |
| Abbâsiya ...    | 280      | 6   | 25        | —  | 7         | —   | 12               | 5   | 5              | —  | —           | —  | 45             | —  | 13                      | —  | 48          | —   | 21          | —  | —               | —  | —              | —  | 82                    | —   | 538    | 11    | 549          |
| Shubra ...      | 96       | 16  | 15        | 2  | 32        | 3   | 74               | 7   | 7              | 1  | 3           | 2  | 5              | 1  | 14                      | 2  | 15          | 2   | 2           | 1  | —               | —  | —              | —  | 274                   | 24  | 537    | 61    | 598          |
| Helwân ...      | 116      | 13  | 14        | 2  | 12        | 4   | 32               | 11  | 3              | —  | —           | —  | 2              | —  | 5                       | 1  | 21          | 8   | —           | —  | —               | 21 | —              | —  | 70                    | 7   | 275    | 46    | 321          |
| Saiyeda Zeinab  | 717      | 8   | 98        | 5  | 142       | 4   | 248              | 7   | 12             | 1  | 8           | —  | 7              | —  | 43                      | 1  | 73          | 2   | 2           | —  | 2               | —  | —              | —  | 567                   | 14  | 1,940  | 42    | 1,982        |
| Old Cairo ...   | 96       | 1   | 25        | 1  | 8         | —   | 48               | 3   | 1              | —  | —           | —  | —              | —  | —                       | —  | 5           | 1   | —           | —  | 1               | —  | —              | —  | 147                   | —   | 331    | 6     | 337          |
| TOTAL ...       | 6,940    | 205 | 1,253     | 34 | 926       | 121 | 1,886            | 200 | 350            | 67 | 270         | 74 | 557            | 16 | 457                     | 58 | 1,163       | 101 | 446         | 8  | 360             | —  | 21             | —  | 5,236                 | 408 | 19,865 | 1,292 | 21,157       |

N.B :—  
Cl. = Clean.      F. = Faulty.

THE MEDICAL WORK CARRIED OUT BY THE MEDICAL OFFICERS OF POLICE DURING 1924 WAS AS FOLLOWS :—

| Nature of Work.  | 1923  | 1924   |
|--|-------|--------|
| Medico-legal examinations of persons for slight injuries requiring less than twenty days' treatment ... ..                                       | 9,441 | 11,600 |
| Medico-legal examinations for more serious cases requiring more than twenty days' treatment ... ..   | 214   | 247    |
| Medico-legal examinations on persons killed in the streets by accident or where the causes of death were suspected by the Medical Officers... .. | 167   | 142    |
| Examinations of persons to whom no period of treatment was necessary (Police Circular)... ..   | 1,435 | 889    |
| Injured persons recommended for a second examination on account of permanent deformities resulting from their injuries ... ..                    | 287   | 327    |
| Examination of persons on account of lunacy either sent to asylum or retained at their houses... ..  | 128   | 117    |
| Ghaffirs examined on entering service on request of the Commandant's Office ... ..   | 1,387 | 1,713  |
| Persons who were examined and sent to the Qasr el 'Aini Hospital   | 103   | 90     |
| Policemen examined at request of the Personnel Office of the Ministry of the Interior on account of sickness ... ..                              | 625   | 602    |
| Cab-drivers, carters and chauffeurs examined on request of the Traffic Office... ..  | 3,209 | 4,270  |
| Persons sent to Fever Hospital suspected to be suffering from infectious disease ... ..  | 38    | 20     |
| Number of examinations performed by the Medical Officers elsewhere than at the Governorate ... ..  | 1,012 | 890    |
| Ghaffirs treated at office ... ..  | —     | 623    |
| Ghaffirs treated at the Police Hospital ... ..   | —     | 429    |
| Ghaffirs treated at the Police Infirmary ... ..  | —     | 423    |
| Ghaffirs sent to the Qasr el 'Aini Hospital ... ..   | —     | 543    |
| Ghaffirs sent to Fever Hospital suspected to be suffering from infectious disease ... ..   | —     | 172    |
| Constables and policemen treated at Office ... ..  | 2,309 | 1,254  |
| Constables and policemen treated at the Police Infirmary ... ..  | 3,459 | 1,072  |
| Constables and policemen treated at the Police Hospital ... ..   | —     | 2,355  |
| Constables and policemen sent to Qasr el 'Aini Hospital... ..  | 1,465 | 1,529  |
| Constables and policemen sent to the Fever Hospital suspected to be suffering from infectious disease ... ..                                     | 252   | 292    |
| Secret police treated at Office ... ..   | —     | 60     |
| Secret police treated at the police Infirmary ... ..   | —     | 24     |
| Secret police treated at the Police Hospital ... ..  | —     | 26     |
| Secret police sent to Qasr el 'Aini Hospital ... ..  | —     | 32     |
| Secret police sent to Fever Hospital suspected to be suffering from infectious disease ... ..  | —     | 2      |
| Nomination of Parquets and Qisms for examination of criminals and injured persons ... ..   | 99    | 82     |
| Shoeblocks examined for fitness or otherwise ... ..  | 51    | 43     |
| Examination of persons in connection with the Pension Law ... ..   | —     | —      |
| New policemen examined for eyesight ... ..   | 8     | 5      |
| New (gens des service) examined for fitness for entering the service of the Ministry of the Interior... ..                                       | —     | 14     |
| New (gens des service) examined for fitness for entering the service of the Governorate ... ..   | —     | 7      |
| Number of medico-legal reports written to replace lost reports   | 27    | 17     |
| Examination of sodomites and catamites for venereal diseases ... ..  | 29    | 29     |
| Vagabonds sent by Qisms ... ..   | 248   | 275    |
| Constables, Policemen and Ghaffirs vaccinated ... ..   | 922   | 922    |
| Constables and policemen examined to be brought before Court Martial ... ..  | 34    | 133    |
| Inspections done on First Aid Chests at the various Qisms ... ..   | 621   | 551    |
| Examination of policemen for delousing ... ..  | —     | —      |
| Examination of civilian prisoners sent by Qisms on account of sickness ... ..  | —     | 249    |
| Policemen medically observed for being Plague contacts ... ..  | —     | 15     |
|  |       | 29     |



Sanitary Contraventions dealt with during 1924.

Mudrîya or Governorate

Markaz or Qism

مركز أو قسم

مديرية أو محافظة

| اسم القانون أو القرار — NAME OF LAW, ETC.   | العدد الإجمالي<br>المبلغ عنه<br>TOTAL<br>NUMBER<br>REPORTED. | النتيجة — RESULT.                             |                                  |                |                                      | ملاحظات —<br>REMARKS. —<br>(يوضح أهم سبب البراءة أو الخلف)<br>(State Main Reason for Acquittal<br>or Filing.) |
|---|--|---|----------------------------------|----------------|--------------------------------------|---|
|   |  | حكم فيها بالعقوبة<br>Convictions<br>obtained. | حكم فيها بالبراءة<br>Acquittals. | حفظت<br>Filed. | تحت النظر<br>Under<br>Consideration. |   |
| “Vidange” and “Depotoirs.” Arrêté of November 8, 1886, modified by Arrêté of June 2, 1910 ... ..                                    | 289  | 262   | 2                                | 1              | 24                                   |   |
| Practice of Medicine and its Branches. Arrêté of June 13, 1891 ... ..   | 12   | 9   | —                                | 1              | 2                                    |   |
| Practice of Dentistry. Law No. 14, 1920 ...   | 10   | 6   | —                                | —              | 4                                    |   |
| Vaccination. Decree of December 17, 1890, modified by Decree of August 6, 1897, and by Law No. 9 of 1917 ... ..                     | 653  | 432   | 16                               | 94             | 111                                  |   |
| Enclosure of Waste Lands. Arrêté of June 15, 1893 ... ..  | 31   | 24  | —                                | —              | 7                                    |   |
| CEMETERIES:—  |  |   |                                  |                |                                      |   |
| Inhumation, Exhumation, and Transport of Bodies Abroad. Regulations of September 15, 1876, and March 26 and October 30, 1877 ... .. | —  | —   | —                                | —              | —                                    |   |
| Transfer of Cemeteries. Decree of January 29, 1894 ... ..   | —  | —   | —                                | —              | —                                    |   |
| Enclosure of Cemeteries. Unauthorized Inhumation. Decree of March 12, 1898 ...  | —  | —   | —                                | —              | —                                    |   |
| PROPHYLACTION MEASURES:—  |  |   |                                  |                |                                      |   |
| Permanent and Exceptional Measures to prevent Epidemics. Arrêtés of May 11, 1895, and December 19, 1904 ... ..                      | —  | —   | —                                | —              | —                                    |   |
| Oysters and Shell-fish during Epidemics. Arrêté of June 16, 1912 ... ..   | —  | —   | —                                | —              | —                                    |   |
| Cholera. Arrêté of October 17, 1895, and Supplementary Arrêté of May 30, 1896 ...   | —  | —   | —                                | —              | —                                    |   |
| Plague and Cholera. Decree of May 27, 1899, modified by Laws No. 3 of 1911, and No. 10 of 1913 ... ..                               | —  | —   | —                                | —              | —                                    |   |

|   |     |     |   |    |   |       |    |     |     |
|---|-----|-----|---|----|---|-------|----|-----|-----|
| Disinfection of Houses during Epidemics.<br>Arrêtés of May 23 and June 26, 1901 ...   | —   | —   | — | —  | — | —     | —  | —   | —   |
| Passenger Control in case of Chôlera Abroad.<br>Arrêté of January 21, 1911 ...  | 12  | 11  | — | —  | — | 1     | —  | —   | —   |
| Navigation on the Mahmûdiyya Canal in time<br>of Cholera. Arrêté of January 16, 1911...   | —   | —   | — | —  | — | —     | —  | —   | —   |
| Prophylactic Measures against Infectious<br>Diseases. Law No. 15 of 1912... ..  | 52  | 45  | 1 | —  | — | 6     | —  | —   | —   |
| Prophylactic Measures against Cholera.<br>Laws No. 10 of 1917 and No. 3 of 1918 ...   | 6   | 5   | — | —  | — | 1     | —  | —   | —   |
| Prophylactic Measures against Anthrax. Law<br>No. 21 of 1920 and Arrêté of June 7, 1921.  | —   | —   | — | —  | — | —     | —  | —   | —   |
| Excavations and <i>Birkas</i> near Habitations.<br>Decree of April 26, 1900... ..   | 1   | 1   | — | —  | — | —     | —  | —   | —   |
| Pharmacy and Sale of Poisons. Law No. 14 of<br>1904 ... ..  | 137 | 78  | 2 | 1  | — | 56    | —  | —   | —   |
| Assistant Pharmacists. Law No. 20 of 1911,<br>modified by Law No. 15 of 1918 ... ..   | —   | —   | — | —  | — | —     | —  | —   | —   |
| Transport of Rags during Epidemics. Law No. 1<br>of 1906, and Arrêté of October 30, 1913  | —   | —   | — | —  | — | —     | —  | —   | —   |
| Control of Returning Pilgrims. Arrêté of June<br>14, 1914 ... ..  | —   | —   | — | —  | — | —     | —  | —   | —   |
| Public Latrines and “Dépendances” of Mosques<br>and <i>Zâwiyas</i> . Law No. 14 of 1911 ... ..  | —   | —   | — | —  | — | —     | —  | —   | —   |
| Births and Deaths. Decree of August 11, 1912  | 74  | 50  | 5 | 2  | — | 17    | —  | —   | —   |
| “Etablissements incommodes, insalubres et dan-<br>gereux.” Law No. 13 of 1904, and Arrêté<br>of August 29, 1904, completed by Arrêté of<br>June 11, 1905 ... .. | 883 | 518 | 7 | 42 | — | 316   | —  | —   | —   |
| Cleanliness of Streets. Arrêté of June 7, 1913.   | 7   | 7   | — | —  | — | —     | —  | —   | —   |
| Adulteration of Milk. Art. 302 of the Native<br>Penal Code. ... ..  | 264 | 171 | 2 | 1  | — | 90    | —  | —   | —   |
| General Sanitary Contraventions. Native<br>Penal Code, Arts. 334—336, and Mixed<br>Penal Code, Art. 333, para. (6). ... ..                                      | 161 | 140 | 3 | 3  | — | 15    | —  | —   | —   |
| Total... .. المجموع ...   |     |     |   |    |   | 1,759 | 38 | 145 | 650 |



VARIOUS QUESTIONS DEALT WITH IN 1924.

| QISM                   | Employees examined for Sick Leaves. | Transport of dead Bodies.   |   |   |   |                      |                                   |        | Complaints in con-<br>nection with Health<br>matters. |                           |        | Mosques examined.     |                          |        |                       |                          |        | Waste Land. | Cemeteries. |           |      |        | Birkas.    |                |        | New Pharmacies. | New Drug Stores. | Patients Sent to Hospital for lunacy. |
|------------------------|-------------------------------------|-----------------------------|---|---|---|----------------------|-----------------------------------|--------|---|---------------------------|--------|-----------------------|--------------------------|--------|-----------------------|--------------------------|--------|-------------|-------------|-----------|------|--------|------------|----------------|--------|-----------------|------------------|---------------------------------------|
|                        |                                     | Corpses transported Abroad. | Remains from Cairo to other<br>Localities in Egypt. | From one (grave to another in<br>the same Cemetery. | Corpses transported from Cairo<br>to other Localities in Egypt. | Arrived from Abroad. | Arrived from Localities in Egypt. | Total. | Dealt with.   | Still being under Action. | Total. | Private.              |                          |        | Waqfs.                |                          |        |             | Abolished.  | Enlarged. | New. | Total. | Filled in. | Not filled in. | Total. |                 |                  |                                       |
|                        |                                     |                             |   |   |   |                      |                                   |        |   |                           |        | Measures recommended. | No measures recommended. | Total. | Measures recommended. | No measures recommended. | Total. |             |             |           |      |        |            |                |        |                 |                  |                                       |
| Shubra ... ..          | 480                                 | —                           | —   | —   | 7   | —                    | 7                                 | 367    | 1   | 368                       | 1      | 5                     | 6                        | 2      | 9                     | 11                       | 6      | 4           | —           | 1         | 1    | —      | 1          | —              | —      | 19              |                  |                                       |
| Zeitoun ... ..         | 136                                 | 1                           | —   | —   | 5   | —                    | 6                                 | 11     | —   | 11                        | 2      | 6                     | 8                        | —      | —                     | 4                        | 4      | —           | 1           | 1         | —    | —      | —          | —              | —      |                 |                  |                                       |
| Helwân ... ..          | 60                                  | —                           | —   | 2   | 5   | —                    | 7                                 | 5      | 5   | 10                        | 3      | 2                     | 5                        | —      | —                     | —                        | —      | —           | —           | —         | 10   | —      | —          | —              | —      |                 |                  |                                       |
| Darb-el-Ahmar ... ..   | 102                                 | —                           | —   | 16  | 6   | —                    | 24                                | —      | —   | —                         | 2      | 91                    | 93                       | 1      | —                     | 2                        | 6      | —           | —           | —         | —    | —      | —          | —              | 31     |                 |                  |                                       |
| Boulâq II. ... ..      | 82                                  | —                           | —   | —   | —   | —                    | —                                 | —      | 5   | 34                        | —      | 2                     | 21                       | 21     | —                     | —                        | 2      | —           | —           | —         | —    | —      | —          | —              | 2      |                 |                  |                                       |
| ‘Abdîn ... ..          | 227                                 | 5                           | —   | —   | 14  | —                    | 19                                | 87     | —   | 87                        | 5      | 14                    | 19                       | —      | —                     | —                        | 15     | —           | —           | —         | —    | —      | —          | —              | 25     |                 |                  |                                       |
| Gamaliya ... ..        | 44                                  | —                           | —   | 29  | 4   | —                    | 41                                | 49     | 3   | 52                        | 10     | 53                    | 63                       | —      | —                     | —                        | —      | —           | —           | —         | —    | —      | —          | —              | 9      |                 |                  |                                       |
| Ezbekiya ... ..        | 283                                 | —                           | —   | —   | 15  | 2                    | 19                                | 84     | —   | 84                        | 2      | 4                     | 6                        | —      | —                     | —                        | —      | —           | —           | —         | —    | —      | —          | —              | 13     |                 |                  |                                       |
| Old Cairo ... ..       | 84                                  | 2                           | 6   | 11  | 17  | —                    | 36                                | 43     | —   | 43                        | —      | 12                    | 12                       | —      | —                     | —                        | —      | —           | —           | —         | —    | —      | —          | —              | 25     |                 |                  |                                       |
| Khalifa ... ..         | 114                                 | —                           | 1   | 30  | 8   | —                    | 49                                | 107    | —   | 107                       | 13     | 40                    | 53                       | —      | 7                     | 11                       | 11     | —           | —           | —         | 23   | —      | —          | —              | 13     |                 |                  |                                       |
| Boulâq I. ... ..       | 89                                  | —                           | —   | —   | 4   | —                    | 4                                 | 31     | —   | 31                        | 6      | 14                    | 20                       | —      | 1                     | 4                        | 4      | 5           | —           | —         | —    | —      | —          | —              | 9      |                 |                  |                                       |
| Sayeda Zeinab ... ..   | 368                                 | 1                           | 1   | 7   | 75  | —                    | 86                                | 350    | 5   | 355                       | 28     | 12                    | 40                       | —      | 1                     | 14                       | 14     | 15          | —           | —         | —    | —      | —          | —              | 34     |                 |                  |                                       |
| Abbassiya ... ..       | 199                                 | 2                           | 14  | 5   | 17  | 1                    | 42                                | 54     | —   | 54                        | 1      | 1                     | 2                        | —      | —                     | —                        | —      | 1           | 1           | 3         | 1    | 2      | —          | —              | 38     |                 |                  |                                       |
| Mûski ... ..           | 25                                  | —                           | —   | —   | —   | —                    | —                                 | 35     | 11  | 46                        | —      | —                     | —                        | —      | —                     | —                        | 1      | 1           | —           | —         | —    | —      | —          | —              | 9      |                 |                  |                                       |
| Bab-el-Sha‘riya ... .. | 141                                 | —                           | —   | —   | 6   | —                    | 6                                 | 131    | —   | 131                       | 9      | 25                    | 34                       | —      | —                     | —                        | 17     | 17          | —           | —         | —    | —      | —          | —              | 10     |                 |                  |                                       |
| TOTAL ... ..           | 2,434                               | 11                          | 22  | 100   | 183   | 3                    | 346                               | 1,383  | 30  | 1,413                     | 82     | 300                   | 382                      | 13     | 90                    | 103                      | 82     | 82          | 2           | 2         | 5    | 2      | 24         | 36             | 11     | 229             |                  |                                       |

## VII.—THE ANTI-MALARIAL MEASURES.

The special measures taken for the abatement of the mosquito nuisance were applied in the same selected areas and quarters as in 1923.

There were 25 complaints received from private individuals in 1924 as follows :—

|    |             |       |
|----|-------------|-------|
| 10 | in 'Abdîn   | Qism. |
| 5  | „ Sayeda    | „     |
| 3  | „ Abbassîya | „     |
| 2  | „ Ezbekîya  | „     |
| 1  | „ Shubra    | „     |
| 1  | „ Helwân    | „     |
| 1  | „ Zeitûn    | „     |
| 1  | „ Mûski     | „     |
| 1  | „ Khalîfa   | „     |

---

25

3 birkas in different parts of the town have been filled up by their owners and one by the Scavenging and Watering Service.

The Sub-Committee of the Anti-Malarial Commission of Cairo acting through the Main Drainage Department have carried out the following work, viz :—

1. Filling in above infiltration water level of the Government-owned Birka at el Moham-mady.

2. Filling in Birkas belonging to the Antiquities Department situated between the villages of Tel Hesn and Mataria.

3. Commencement of the filling in of a Birka at Torah.

4. At the request of the Sub-Committee of the Anti-Malarial Commission, the Tanzim Department have commenced the work of having the Birka of Roda Island filled in by debris from old buildings.

### *Helwân and Gezîra.*

The covering in of the culverts at Gezîra South has not yet been completed but it is hoped that this work will be finished next year.

The Birkas around Cairo were stocked with larvæ-eating fish as usual.

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## RAT-CATCHING SERVICE.

The number of rats destroyed during 1924 was 5,582. Of these :—

|     |                |              |
|-----|----------------|--------------|
| 209 | were caught in | January.     |
| 344 | „              | „ February.  |
| 443 | „              | „ March.     |
| 359 | „              | „ April.     |
| 338 | „              | „ May.       |
| 482 | „              | „ June.      |
| 627 | „              | „ July.      |
| 650 | „              | „ August.    |
| 541 | „              | „ September. |
| 669 | „              | „ October.   |
| 418 | „              | „ November.  |
| 502 | „              | „ December.  |

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5,582



# RATS CAUGHT.

|                                 |     |     |     |     |     |     |     |     |       |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 'Adbîn Palace                   | ... | ... | ... | ... | ... | ... | ... | ... | 1,082 |
| Public Health Department        | ... | ... | ... | ... | ... | ... | ... | ... | 32    |
| Public Security Department      | ... | ... | ... | ... | ... | ... | ... | ... | 143   |
| Holy Carpet                     | ... | ... | ... | ... | ... | ... | ... | ... | 566   |
| Public Works Ministry           | ... | ... | ... | ... | ... | ... | ... | ... | 278   |
| Court of Appeal                 | ... | ... | ... | ... | ... | ... | ... | ... | 118   |
| Wâyli Court                     | ... | ... | ... | ... | ... | ... | ... | ... | 9     |
| Cairo Governorate               | ... | ... | ... | ... | ... | ... | ... | ... | 506   |
| Qasr el 'Aini Hospital          | ... | ... | ... | ... | ... | ... | ... | ... | 432   |
| Bulâq Health Office.            | ... | ... | ... | ... | ... | ... | ... | ... | 45    |
| Ezbekîya Court                  | ... | ... | ... | ... | ... | ... | ... | ... | 8     |
| Ministry of Communications      | ... | ... | ... | ... | ... | ... | ... | ... | 1     |
| Government Workshops            | ... | ... | ... | ... | ... | ... | ... | ... | 5     |
| Ministry of Finance             | ... | ... | ... | ... | ... | ... | ... | ... | 83    |
| Railway Stores                  | ... | ... | ... | ... | ... | ... | ... | ... | 8     |
| Police Stores, Bulâq            | ... | ... | ... | ... | ... | ... | ... | ... | 22    |
| State Domains                   | ... | ... | ... | ... | ... | ... | ... | ... | 204   |
| Kobba Royal Palace              | ... | ... | ... | ... | ... | ... | ... | ... | 704   |
| Irrigation Department           | ... | ... | ... | ... | ... | ... | ... | ... | 39    |
| Mixed Tribunal                  | ... | ... | ... | ... | ... | ... | ... | ... | 168   |
| Ministry of War                 | ... | ... | ... | ... | ... | ... | ... | ... | 105   |
| Savoy Hotel, Government Offices | ... | ... | ... | ... | ... | ... | ... | ... | 49    |
| Ministry of the Interior        | ... | ... | ... | ... | ... | ... | ... | ... | 12    |
| Government Laboratories         | ... | ... | ... | ... | ... | ... | ... | ... | 17    |
| Entomological Section           | ... | ... | ... | ... | ... | ... | ... | ... | 15    |
| Ministry of Agriculture         | ... | ... | ... | ... | ... | ... | ... | ... | 19    |
| Mechanical Section, P.W.M.      | ... | ... | ... | ... | ... | ... | ... | ... | 11    |
| Private individuals             | ... | ... | ... | ... | ... | ... | ... | ... | 901   |
| TOTAL                           |     |     |     |     |     |     |     |     | 5,582 |

# THEATRE COMMISSION.

During the year 1924, 3 new establishments were licensed, a cinema and 2 theatres.

41 establishments, already licensed, were inspected by a delegate of Cairo City Inspectorate. Of these 7 were theatres, 21 cinemas and 13 Café concerts.

The sanitary conditions were satisfactory in all establishments except in one cinema.

# MOULID EL NABI.

Moulid el Nabi was held at 'Abbâsiya on 3, 4, 5, 6, 7, 8, 9 and 10 of October 1924. It lasted 8 days.

It has been calculated that the number of visitors on the last day of the Moulid was about 50,000 : about the same number in 1923.

The sanitary arrangements were similar to those made in 1923.

Supervision was carried out by the Inspector of Vidange Control Service and two of his subordinate staff.





APPENDIX A.—CAIRO CITY WEEKLY WEATHER STATE FOR 1924.  
(From the Reports issued by the Physical Service, Ministry of Public Works).

| Number of Week. | WEEK.    | TEMPERATURE (°C.). |                         |          |                         |       |                         | HUMIDITY PER CENT. |                         | RAINFALL (m.m.) |                         | SUNSHINE (Hours). |                       | CLOUD. |                         | WIND.  |            | NILE GAUGE EL RÔDA. |                         |
|-----------------|----------|--------------------|-------------------------|----------|-------------------------|-------|-------------------------|--------------------|-------------------------|-----------------|-------------------------|-------------------|-----------------------|--------|-------------------------|--------|------------|---------------------|-------------------------|
|                 |          | Maximum.           | Difference from Normal. | Minimum. | Difference from Normal. | Mean. | Difference from Normal. | Mean.              | Difference from Normal. | Weekly Total.   | Difference from Normal. | Mean.             | Per Cent of Possible. | 0—10.  | Difference from Normal. | Force. | Direction. | Mean.               | Difference from Normal. |
|                 |          |                    |                         |          |                         |       |                         |                    |                         |                 |                         |                   |                       |        |                         |        |            |                     |                         |
| 1               | January  | 1-7...             | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 2               | "        | 8-14...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 3               | "        | 15-21...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 4               | "        | 22-28...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 5               | "        | 29- 4 February     | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 6               | February | 5-11...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 7               | "        | 12-18...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 8               | "        | 19-25...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 9               | "        | 26- 4 March        | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 10              | March    | 5-11...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 11              | "        | 12-18...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 12              | "        | 19-25...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 13              | "        | 26- 1 April        | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 14              | April    | 2- 8...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 15              | "        | 9-15...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 16              | "        | 16-22...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 17              | "        | 23-29...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 18              | "        | 30- 6 May          | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 19              | May      | 7-13...            | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 20              | "        | 14-20...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 21              | "        | 21-27...           | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |
| 22              | "        | 28-3 June          | ...                     | ...      | ...                     | ...   | ...                     | ...                | ...                     | ...             | ...                     | ...               | ...                   | ...    | ...                     | ...    | ...        | ...                 | ...                     |

|    |           |              |     |     |      |      |      |      |      |      |    |     |        |      |      |     |     |      |    |          |       |       |
|----|-----------|--------------|-----|-----|------|------|------|------|------|------|----|-----|--------|------|------|-----|-----|------|----|----------|-------|-------|
| 23 | June      | 4-10 ...     | ... | ... | 35.8 | +1.7 | 21.2 | +2.5 | 28.5 | +2.1 | 64 | + 1 | 1.8    | +1.8 | 12.7 | 91  | 1.1 | -0.6 | 0  | Calm.    | 15.72 | +0.47 |
| 24 | "         | 11-17...     | ... | ... | 36.3 | +1.8 | 21.5 | +2.2 | 28.9 | +2.0 | 58 | —   | 0.0    | 0.0  | 13.0 | 92  | 1.7 | +0.1 | 0  | Calm.    | 15.74 | +0.44 |
| 25 | "         | 18-24...     | ... | ... | 34.9 | +0.3 | 20.9 | +1.4 | 27.9 | +0.9 | 61 | —   | 0.0    | 0.0  | 12.9 | 91  | 1.7 | -0.1 | 1  | N.N.W.   | 15.70 | +0.37 |
| 26 | "         | 25- 1 July   | ... | ... | 35.5 | +0.4 | 20.6 | +0.8 | 28.0 | +0.6 | 64 | —   | 0.0    | 0.0  | 13.0 | 92  | 4.1 | +2.1 | 2  | N.       | 15.76 | +0.37 |
| 27 | July      | 2- 8...      | ... | ... | 36.1 | +0.9 | 21.9 | +1.5 | 29.0 | +1.2 | 63 | —   | 0.0    | 0.0  | 13.3 | 95  | 2.6 | +0.3 | 0  | Calm.    | 15.75 | +0.31 |
| 28 | "         | 9-15...      | ... | ... | 38.8 | +3.5 | 23.6 | +2.6 | 31.2 | +3.0 | 62 | —   | 0.0    | 0.0  | 13.0 | 93  | 1.1 | -1.4 | 1  | N.       | 15.76 | +0.26 |
| 29 | "         | 16-22...     | ... | ... | 35.1 | -0.2 | 21.3 | +0.2 | 28.2 | 0.0  | 62 | —   | 0.0    | 0.0  | 13.0 | 94  | 6.0 | +3.4 | 1  | N.W.     | 15.82 | +0.25 |
| 30 | "         | 23-29...     | ... | ... | 35.9 | +0.8 | 22.0 | +0.9 | 29.0 | +0.9 | 66 | —   | 0.0    | 0.0  | 12.9 | 94  | 3.4 | +0.6 | 1  | Variable | 15.95 | +0.23 |
| 31 | "         | 30- 5 August | ... | ... | 34.6 | -0.5 | 21.3 | +0.1 | 28.0 | -0.2 | 66 | —   | 0.0    | 0.0  | 12.9 | 95  | 1.7 | -1.2 | 0  | Calm.    | 16.23 | +0.26 |
| 32 | August    | 6-12 ..      | ... | ... | 35.1 | 0.0  | 21.5 | 0.0  | 28.3 | 0.0  | 68 | —   | 0.0    | 0.0  | 12.7 | 94  | 2.9 | -0.1 | 1  | N.W.     | 16.61 | +0.19 |
| 33 | "         | 13-19...     | ... | ... | 34.9 | +0.4 | 22.3 | +0.8 | 28.6 | +0.6 | 72 | —   | 0.0    | 0.0  | 12.5 | 95  | 5.4 | +2.3 | 1  | N.W.     | 17.65 | +0.43 |
| 34 | "         | 20-26...     | ... | ... | 36.9 | +3.1 | 21.9 | +0.6 | 29.4 | +1.8 | 69 | —   | 0.0    | 0.0  | 12.2 | 94  | 3.4 | +0.4 | 1  | N.       | 18.18 | +0.35 |
| 35 | "         | 27- 2 Sept.  | ... | ... | 34.8 | +1.7 | 21.9 | +1.4 | 28.4 | +1.6 | 70 | —   | 0.0    | 0.0  | 12.0 | 94  | 1.4 | -1.5 | 0  | Calm.    | 18.85 | +0.71 |
| 36 | September | 3- 9...      | ... | ... | 33.8 | +1.3 | 21.2 | +1.2 | 27.5 | +1.3 | 72 | —   | 0.0    | 0.0  | 11.6 | 92  | 4.3 | +1.6 | 1  | Variable | 18.52 | +0.16 |
| 37 | "         | 10-16...     | ... | ... | 34.9 | +2.7 | 21.3 | +2.0 | 28.1 | +2.3 | 77 | —   | 0.0    | 0.0  | 11.8 | 95  | 6.6 | +4.2 | 0  | Calm.    | 18.59 | +0.09 |
| 38 | "         | 17-23...     | ... | ... | 32.0 | +0.2 | 20.3 | +1.2 | 26.2 | +0.8 | 74 | —   | 0.0    | 0.0  | 11.3 | 93  | 0.9 | -1.3 | 1  | N.N.E.   | 19.04 | +0.43 |
| 39 | "         | 24-30...     | ... | ... | 31.1 | -0.1 | 19.5 | +0.5 | 25.3 | +0.2 | 76 | —   | 0.0    | 0.0  | 11.2 | 93  | 1.4 | -0.9 | 1  | N.W.     | 19.11 | +0.45 |
| 40 | October   | 1- 7... ..   | ... | ... | 31.0 | +0.2 | 19.4 | +1.0 | 25.2 | +0.6 | 76 | —   | 0.0    | -0.2 | 10.9 | 92  | 1.4 | -1.0 | 0  | Calm.    | 18.43 | -0.16 |
| 41 | "         | 8-14...      | ... | ... | 30.3 | -0.2 | 18.6 | +1.0 | 24.4 | +0.4 | 76 | —   | 0.0    | -0.2 | 10.7 | 92  | 0.0 | -2.6 | 1  | N.       | 18.20 | -0.32 |
| 42 | "         | 15-21...     | ... | ... | 27.8 | -1.9 | 16.0 | -0.6 | 21.9 | -1.3 | 72 | —   | 0.0    | -0.2 | 10.3 | 90  | 0.6 | -2.1 | 1  | Variable | 18.74 | +0.18 |
| 43 | "         | 22-28...     | ... | ... | 29.4 | +0.8 | 17.0 | +1.0 | 23.2 | +0.9 | 82 | —   | 0.0    | -0.2 | 9.9  | 88  | 2.6 | -0.2 | 0  | Calm.    | 18.76 | +0.21 |
| 44 | "         | 29- 4 Nov.   | ... | ... | 29.0 | +1.3 | 16.9 | +1.5 | 23.0 | +1.4 | 67 | —   | Drops. |      | 8.5  | 77  | 2.3 | -0.6 | 0  | Calm.    | 17.78 | -0.45 |
| 45 | November  | 5-11...      | ... | ... | 27.4 | +0.9 | 16.2 | +2.3 | 21.8 | +1.6 | 78 | —   | 0.0    | -0.5 | 9.9  | 91  | 2.6 | -0.3 | 0  | Calm.    | 17.25 | -0.51 |
| 46 | "         | 12-18...     | ... | ... | 26.1 | +0.7 | 13.8 | +0.6 | 20.0 | +0.7 | 71 | —   | 0.0    | -0.5 | 9.9  | 93  | 0.6 | -2.4 | 1  | S.       | 16.86 | -0.43 |
| 47 | "         | 19-25...     | ... | ... | 20.6 | -3.6 | 11.2 | -1.2 | 15.9 | -2.4 | 68 | —   | 3.8    | -3.3 | 7.0  | 67  | 5.4 | +2.1 | 2  | S.W.     | 16.62 | -0.30 |
| 48 | "         | 26- 2 Dec.   | ... | ... | 22.1 | -0.9 | 9.8  | -1.7 | 16.0 | -1.2 | 84 | —   | 0.0    | -0.6 | 9.7  | 93  | 1.7 | -2.0 | 0  | Calm.    | 16.56 | -0.05 |
| 49 | December  | 3- 9...      | ... | ... | 22.6 | +0.4 | 9.7  | -0.9 | 16.2 | -0.2 | 80 | —   | 0.0    | -0.9 | 8.8  | 86  | 8.0 | +4.0 | 0  | Calm.    | 16.47 | -0.13 |
| 50 | "         | 10-16...     | ... | ... | 21.0 | -0.5 | 8.9  | -1.1 | 15.0 | -0.8 | 74 | —   | 0.8    | -0.1 | 7.9  | 77  | 2.0 | -2.2 | 0  | Calm,    | 16.25 | +0.14 |
| 51 | "         | 17-23...     | ... | ... | 20.5 | -0.1 | 10.1 | +1.0 | 15.3 | +0.5 | 78 | —   | 2.6    | +1.7 | 7.9  | 77  | 2.3 | -2.0 | 1  | S.       | 15.86 | +0.09 |
| 52 | "         | 24-31...     | ... | ... | 17.9 | -2.1 | 8.8  | +0.8 | 13.4 | -0.6 | 78 | —   | 5.0    | +4.0 | 5.9  | 58. | 8.0 | +3.7 | 0. | Calm.    | 14.92 | -0.39 |





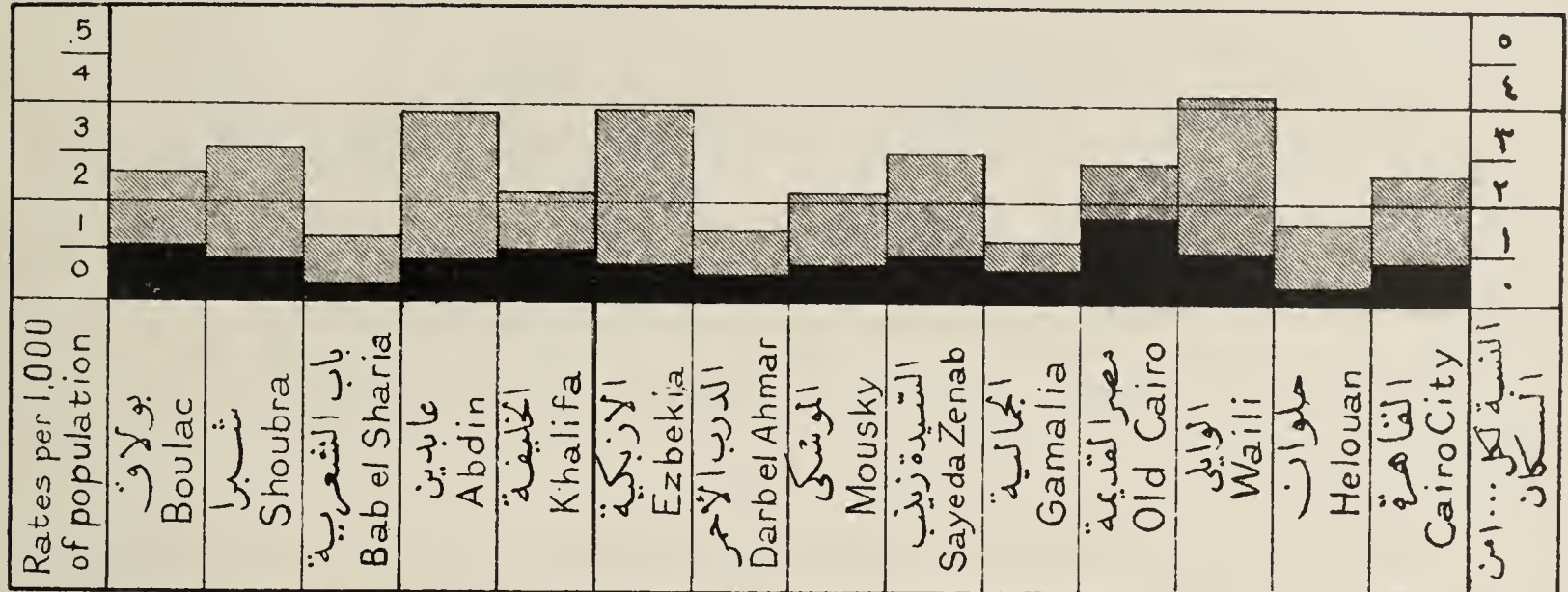
Fig.1

الشكل رقم ١

Cairo City Health Report 1924

تقرير صحة مدينة القاهرة سنة ١٩٢٤

نسبة اصابات ووفيات الأمراض المعدية بأقسام القاهرة في سنة ١٩٢٤ لكل ألف من السكان

ZYMOTIC DISEASE CASE & DEATH-RATES IN CAIRO DISTRICTS  
IN 1924 PER 1000 OF POPULATION

S. of. E. 27/532

مصلحة المساحة المصرية ٢٧/٥٣٢

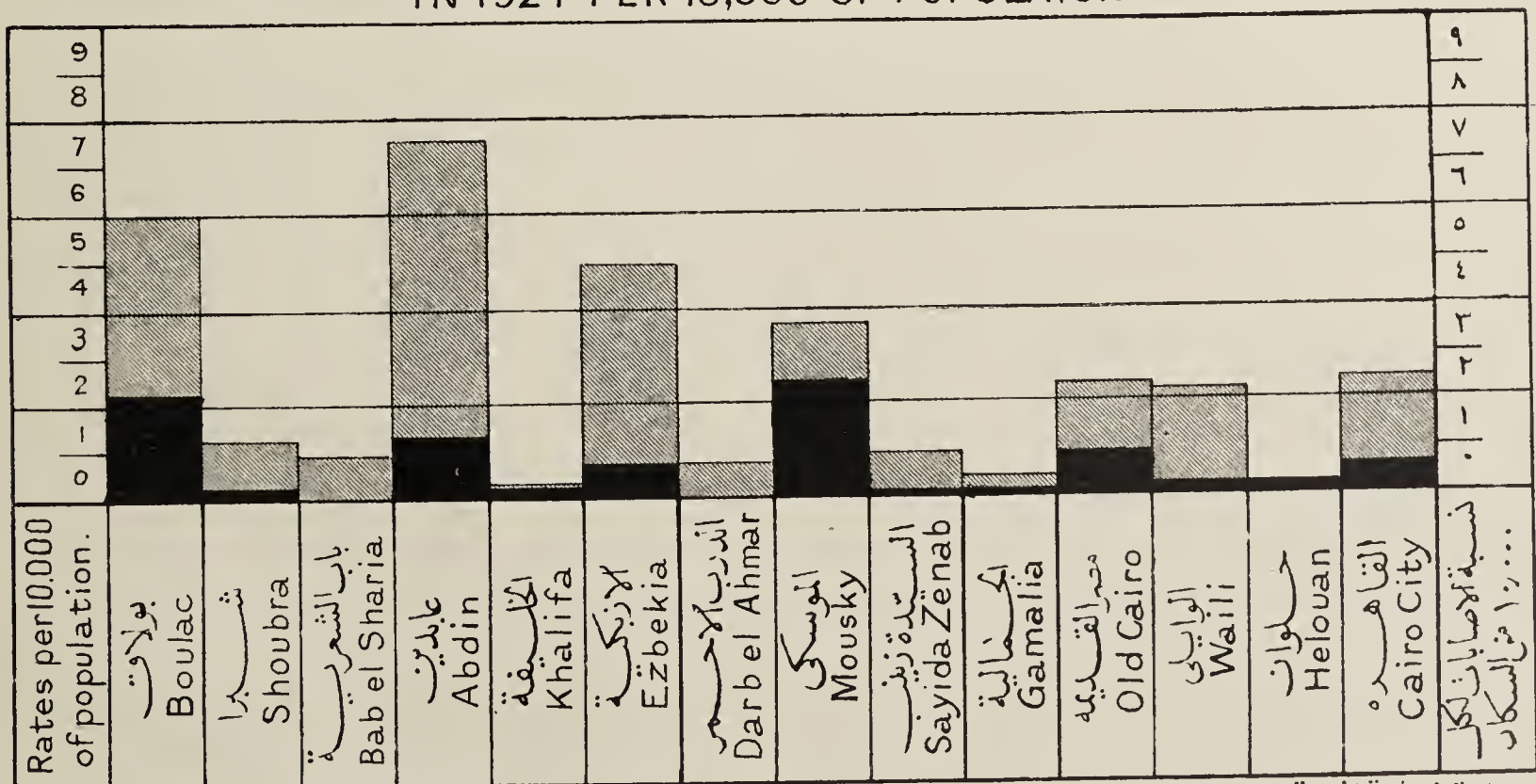
الوفيات Deaths

الاصابات التي بلغت Cases recorded

Fig 2

الشكل رقم ٢

نسبة اصابات ووفيات الجدري بأقسام القاهرة في سنة ١٩٢٤ لكل ١٠,٠٠٠ من السكان

SMALL POX CASE AND DEATH-RATES IN CAIRO DISTRICTS  
IN 1924 PER 10,000 OF POPULATON

S. of. E. 27/532

مصلحة المساحة المصرية ٢٧/٥٣٢

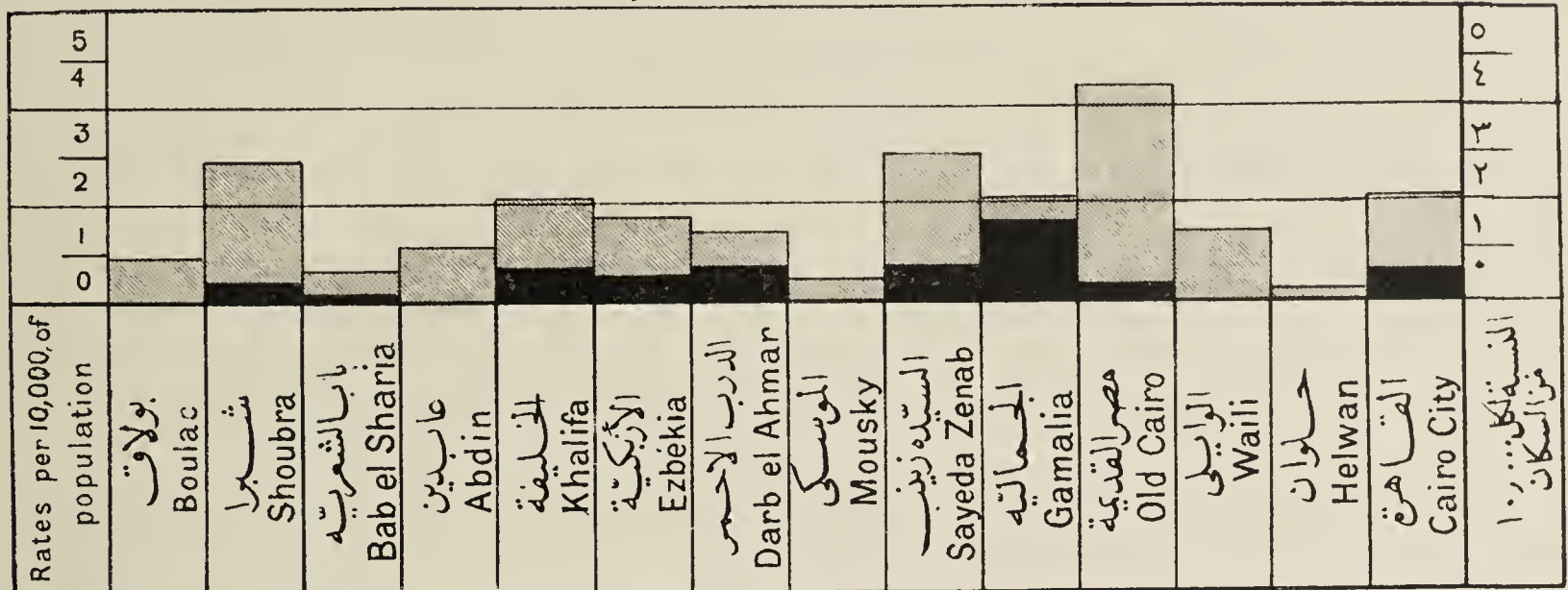
الوفيات Deaths

الاصابات التي بلغت Cases recorded





نسبة الأصابات والوفيات بمرض الحصبة بأقسام القاهرة في سنة ١٩٢٤ لكل عشرة آلاف من السكان

MEASLES CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924  
PER 10,000 OF POPULATION

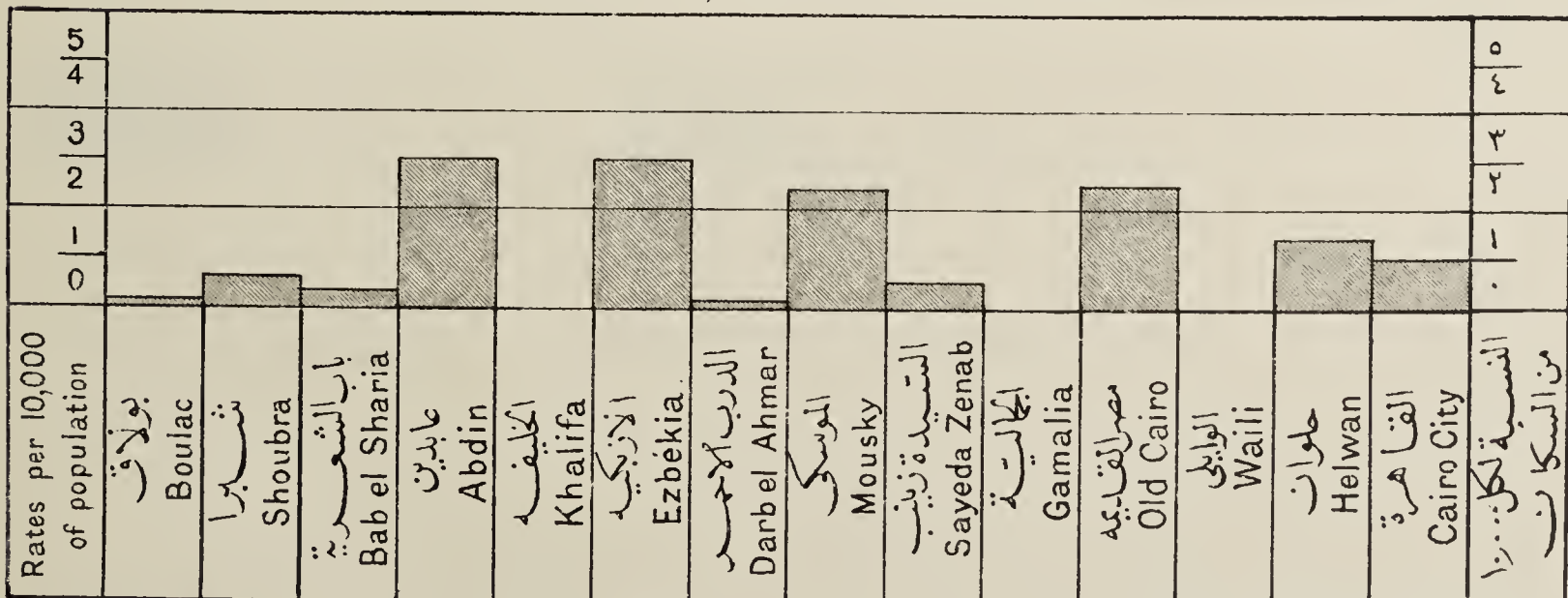
S. of. E. 27/532

مصلحة المساحة المصرية ٢٧/٥٣٢

الوفيات  
Deaths

الأصابات التي بلغت  
Cases recorded

نسبة اصابات ووفيات الحمى القرمزية بأقسام القاهرة في سنة ١٩٢٤ لكل عشرة آلاف من السكان

SCARLET FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS  
IN 1924 PER 10,000 OF POPULATION

S. of. E. 27/532

مصلحة المساحة المصرية ٢٧/٥٣٢

الوفيات  
Deaths

الأصابات التي بلغت  
Cases recorded





Fig 5

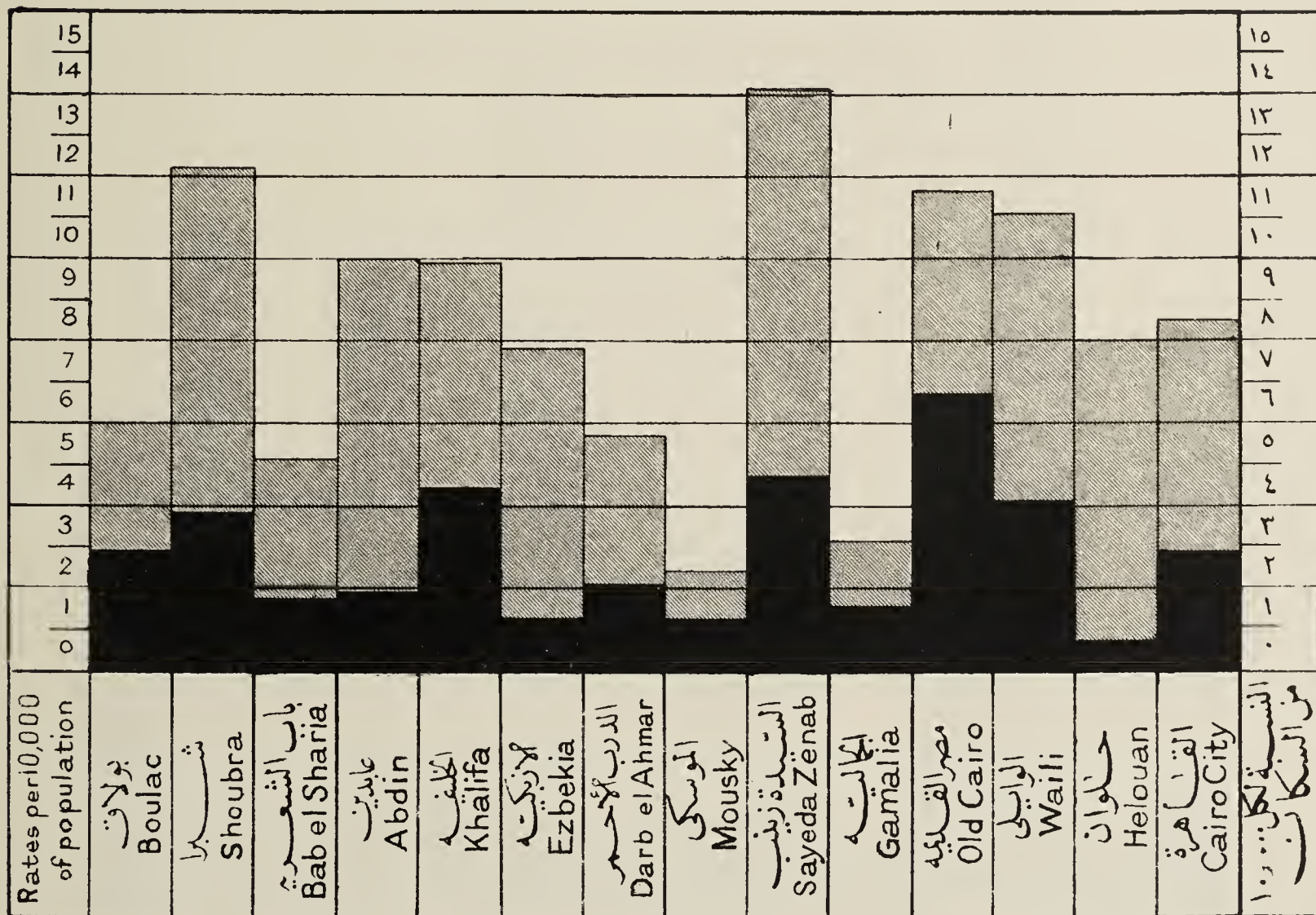
Cairo City Health Report 1924

الشكل رقم ٥

تقرير صحة مدينة القاهرة سنة ١٩٢٤

نسبة اصابات ووفيات الدفتريا باقسام القاهرة في سنة ١٩٢٤ لكل ١٠,٠٠٠ من السكان

DIPHTHERIA CASE AND DEATH-RATES IN CAIRO DISTRICTS  
IN 1924 PER 10,000 OF POPULATION



S. of. E. 27/532

مصلحة الصحة ٢٧/٥٣٢



الوفيات  
Deaths



الاصابات التي سجلت  
Cases recorded





Fig 6

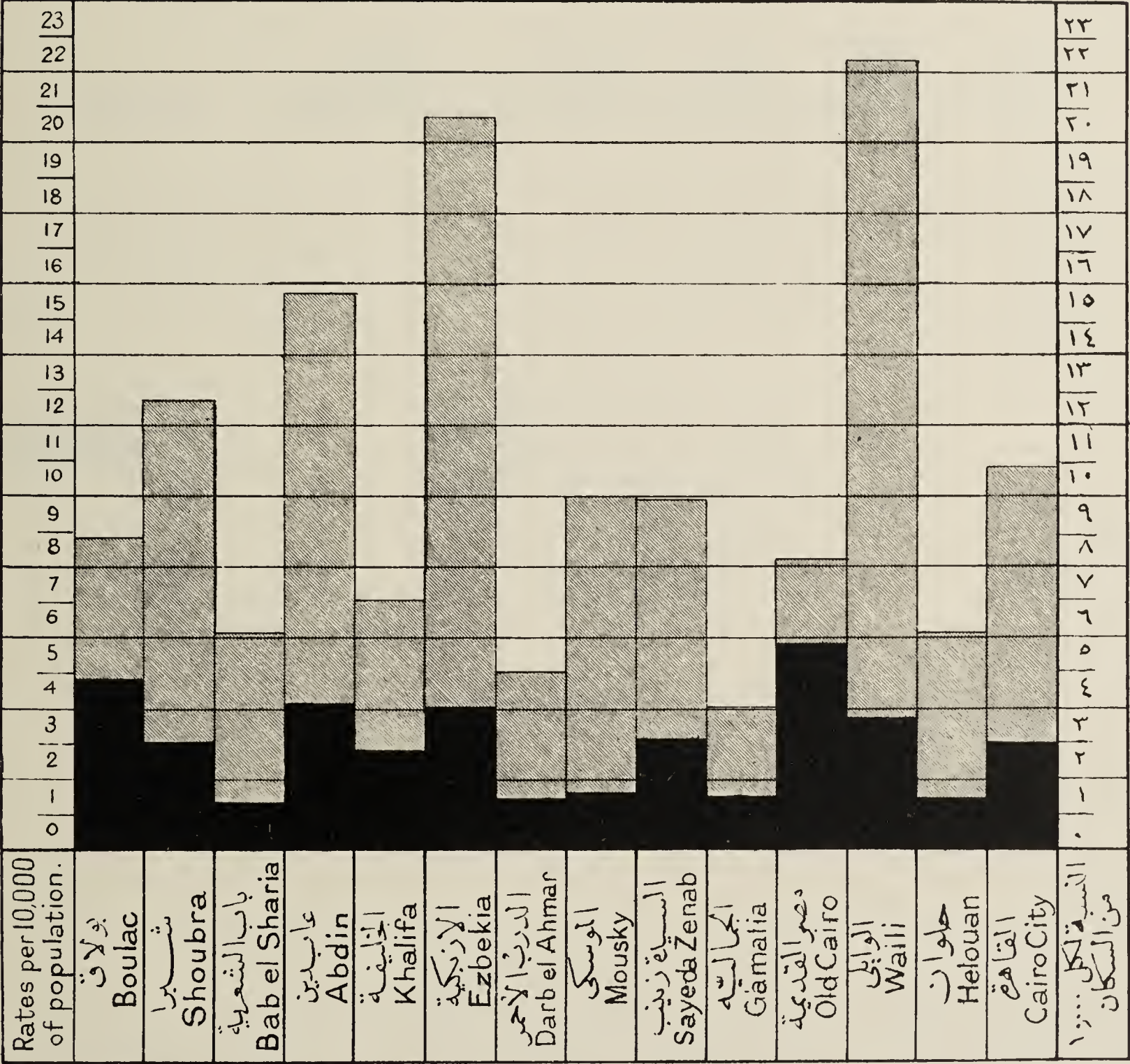
الشكل رقم ٦

Cairo City Health Report 1924

تقرير صحة مدينة القاهرة سنة ١٩٢٤

نسبة إصابات ووفيات الحمى التيفودية بأقسام القاهرة في سنة ١٩٢٤ لكل ١٠٠٠ من السكان

TYPHOID FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN 1924  
PER 10,000 OF POPULATION



S. of. E. 27/532

مساحة المساحة المصق ٢٧/٥٣٢



الوفيات  
Deaths



الإصابات التي بُلغت  
Cases recorded





Fig.7

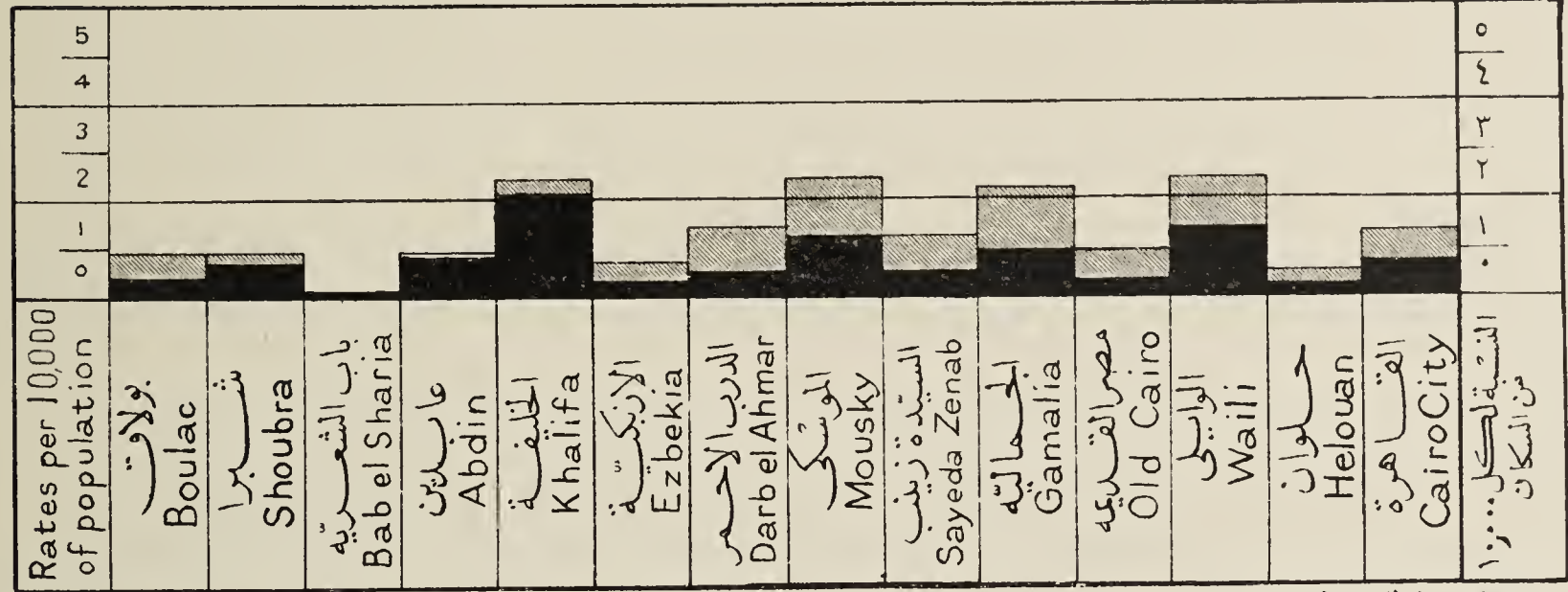
Cairo City Health Report 1924.

الشكل رقم ٧

تقرير صحة مدينة القاهرة ١٩٢٤

نسبة أصابات ووفيات الحمى النفوسية باقسام القاهرة في سنة ١٩٢٤ لكل ١٠,٠٠٠ من السكان

TIPHUS FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS  
IN 1924 PER 10,000 OF POPULATION



S.of.E 27/532

مصلحة المساحة المصرية ٢٧/٥٣٢

الوفيات  
Deaths

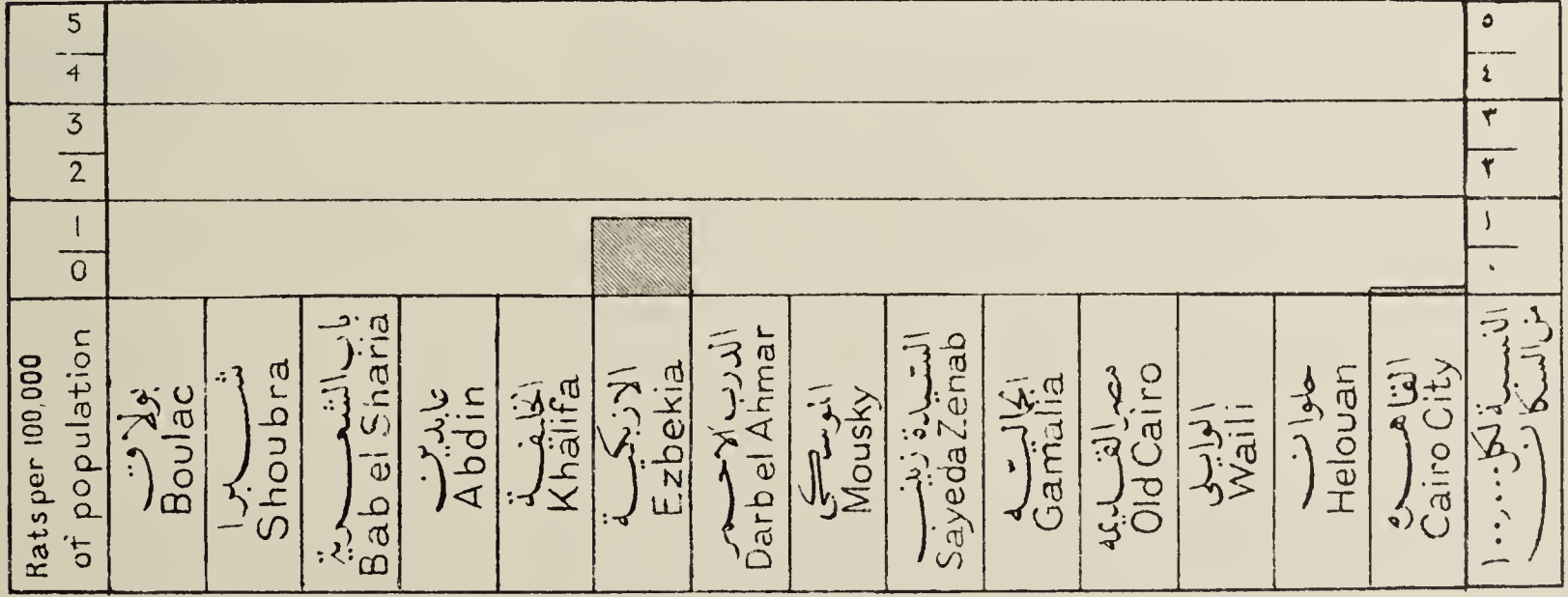
الاصابات التي بلغت  
Cases recorded

Fig8

الشكل رقم ٨

نسبة اصابات ووفيات الحمى الراجعة باقسام القاهرة في سنة ١٩٢٤ لكل ١٠٠,٠٠٠ من السكان

RELAPSING FEVER CASE AND DEATH-RATES IN CAIRO DISTRICTS IN  
1924 PER 100,000 OF POPULATION



S of E 27, 532

مصلحة المساحة المصرية ٢٧/٥٣٢

الوفيات  
Deaths

الاصابات التي بلغت  
Cases recorded

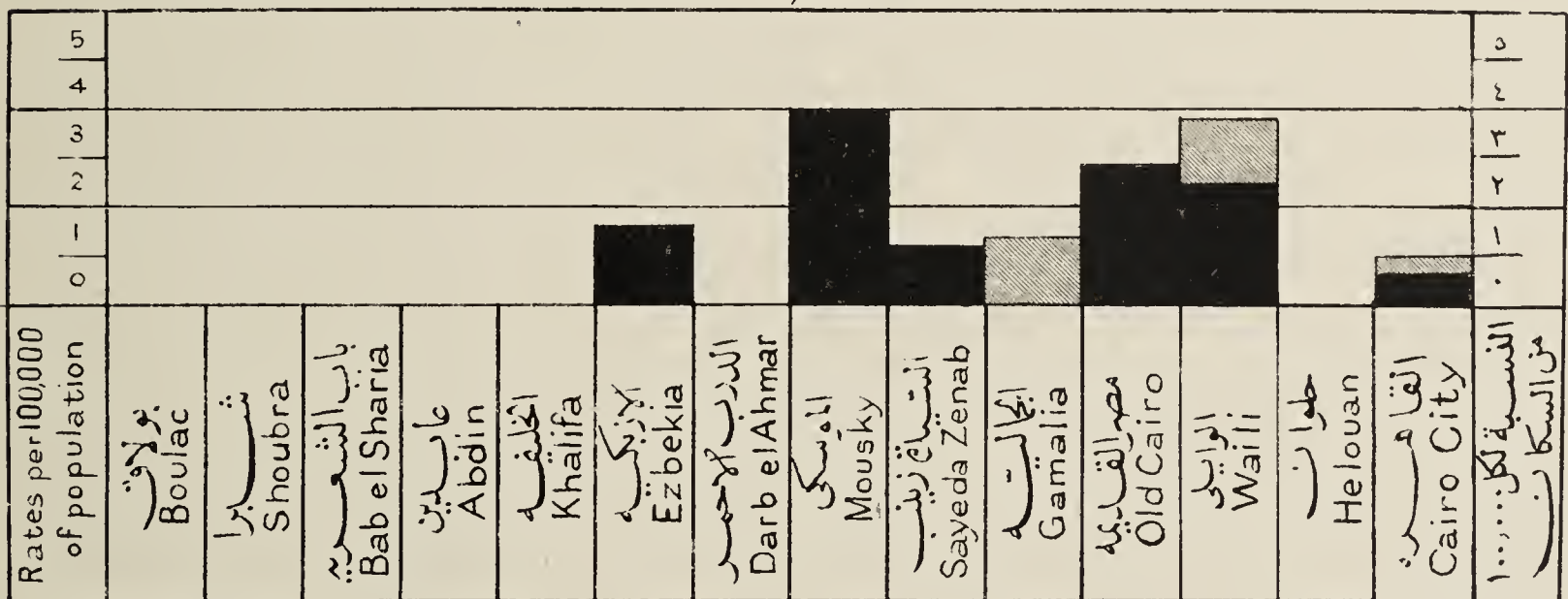




Fig. 9  
Cairo City Health Report 1924

الشكل رقم ٩  
تقرير صحة مدينة القاهرة ١٩٢٤

نسبة اصابات ووفيات الحمى الشوكية باقسام القاهرة في ثلثه لكل مائة الف من السكان  
CEREBRO SPINAL FEVER CASE AND DEATH-RATES IN CAIRO  
DISTRICTS IN 1924 PER 100,000 OF POPULATION .



S. of. E 27,532

مصلحة المساحة المرقم ٢٢/٥٣٢

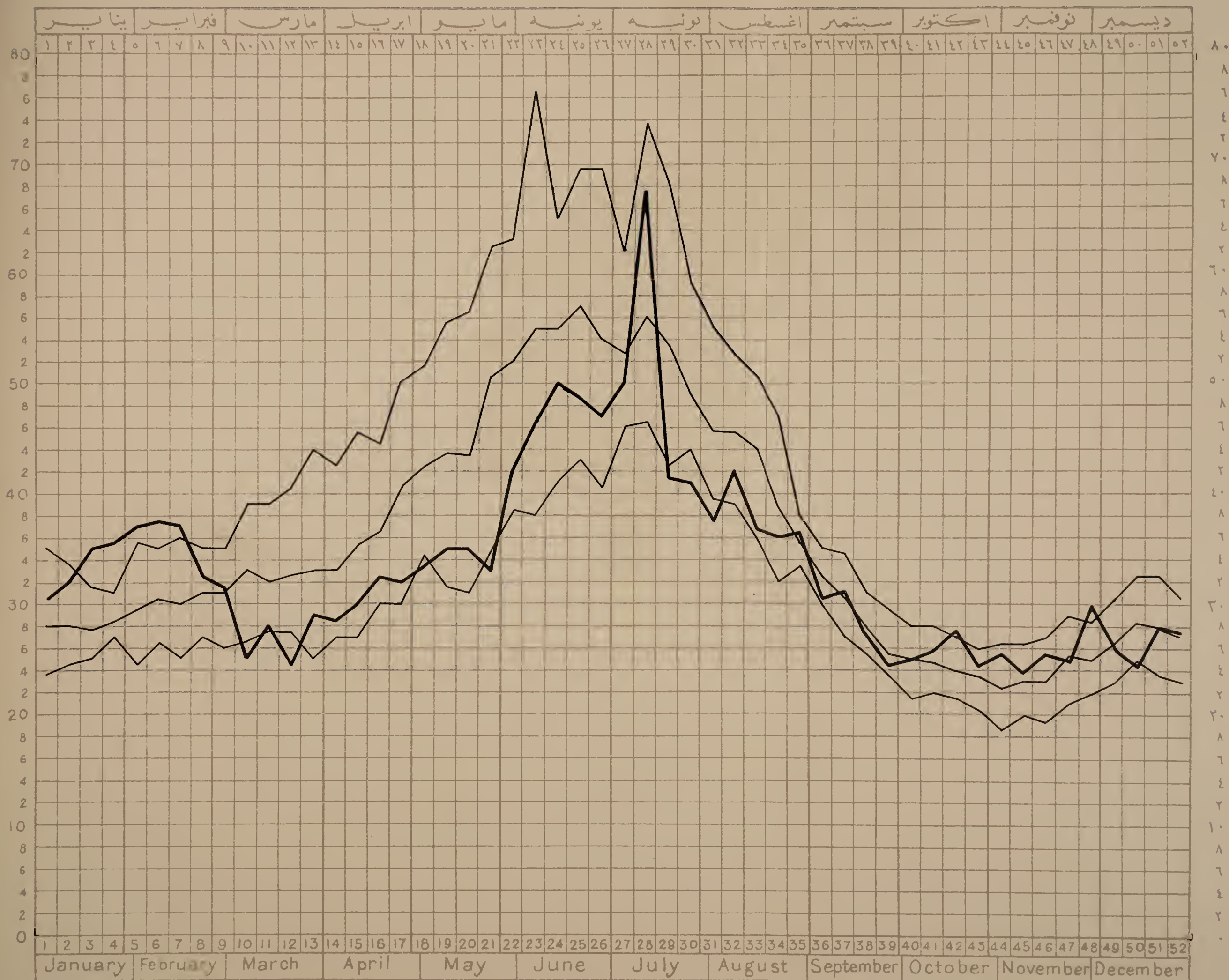
الوفيات  
Deaths

الاصابات التي بلغت  
Cases recorded





نسبة الوفيات الأسبوعية لكل ألف من السكان في مدة خمس سنوات بالقاهرة من سنة ١٩١٩ إلى سنة ١٩٢٣  
Cairo City Weekly Death-rates per 1000 living in quinquennial period 1919-1923.



S.O.P.E 27/532.

Max, Min. & Mean Rates

Weekly Death Rates in 1924

أعلى ومتوسط وأدنى النسبة

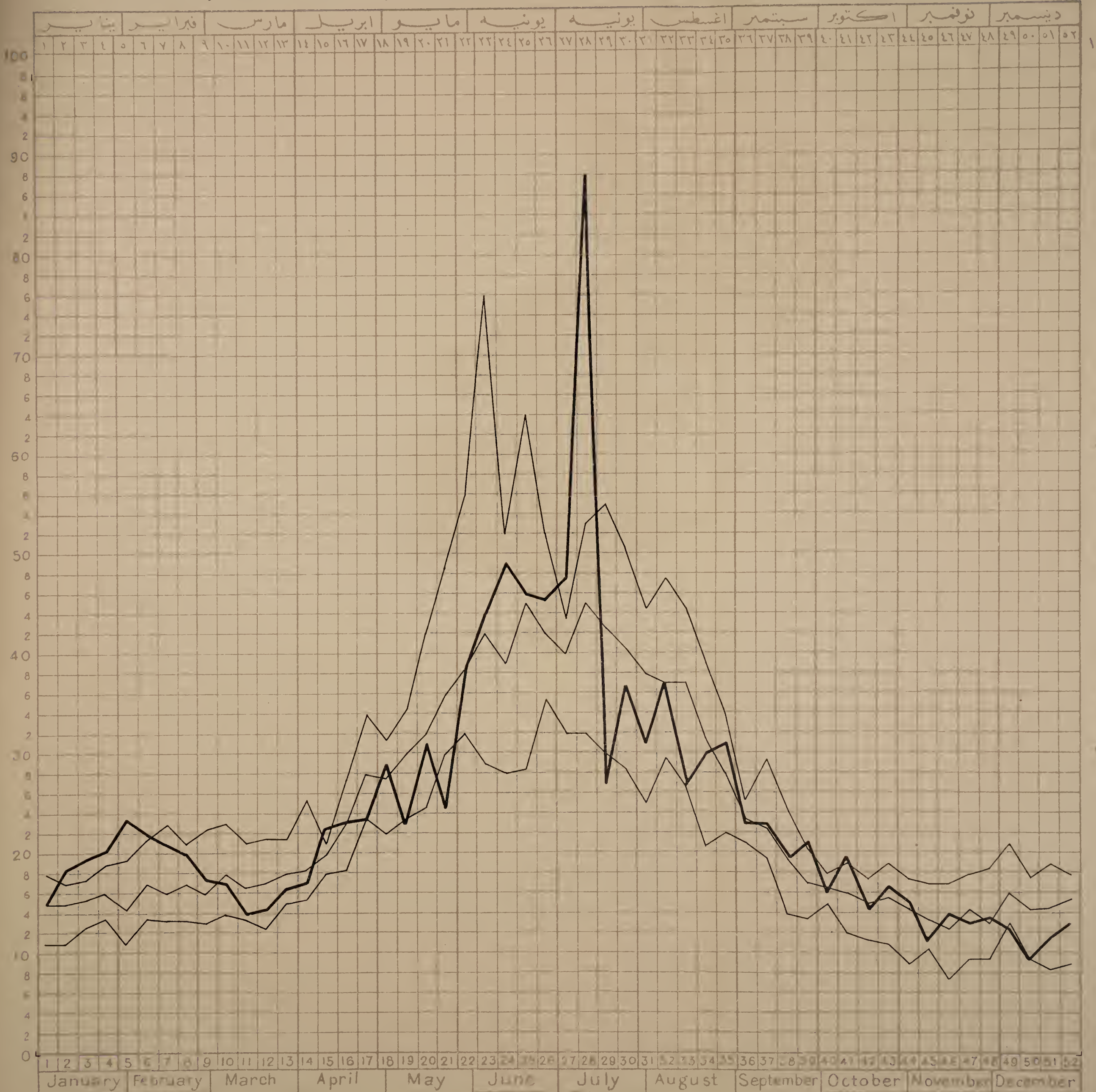
نسبة الوفيات الأسبوعية في سنة ١٩٢٤

مصلحة المساحة المصرية (١٩٢٣/٢٧)





وفيات الاطفال الذين لايزيد سنهم عن سنة بالقاهرة في مدة خمس سنوات من سنة ١٩١٩ الى سنة ١٩٢٣  
Cairo City Infantile Mortality (Children 0 - 1) in quinquennial period 1919-1923.



S. of. E 27/532

مصلحة المساحة المصرية (٢٧/٥٣٢)

Max., Min. & Mean of Weekly Death-rates per 100 Births

أعلى ومتوسط وأدنى نسبة الوفيات الأسبوعية لكل ١٠٠ مولود

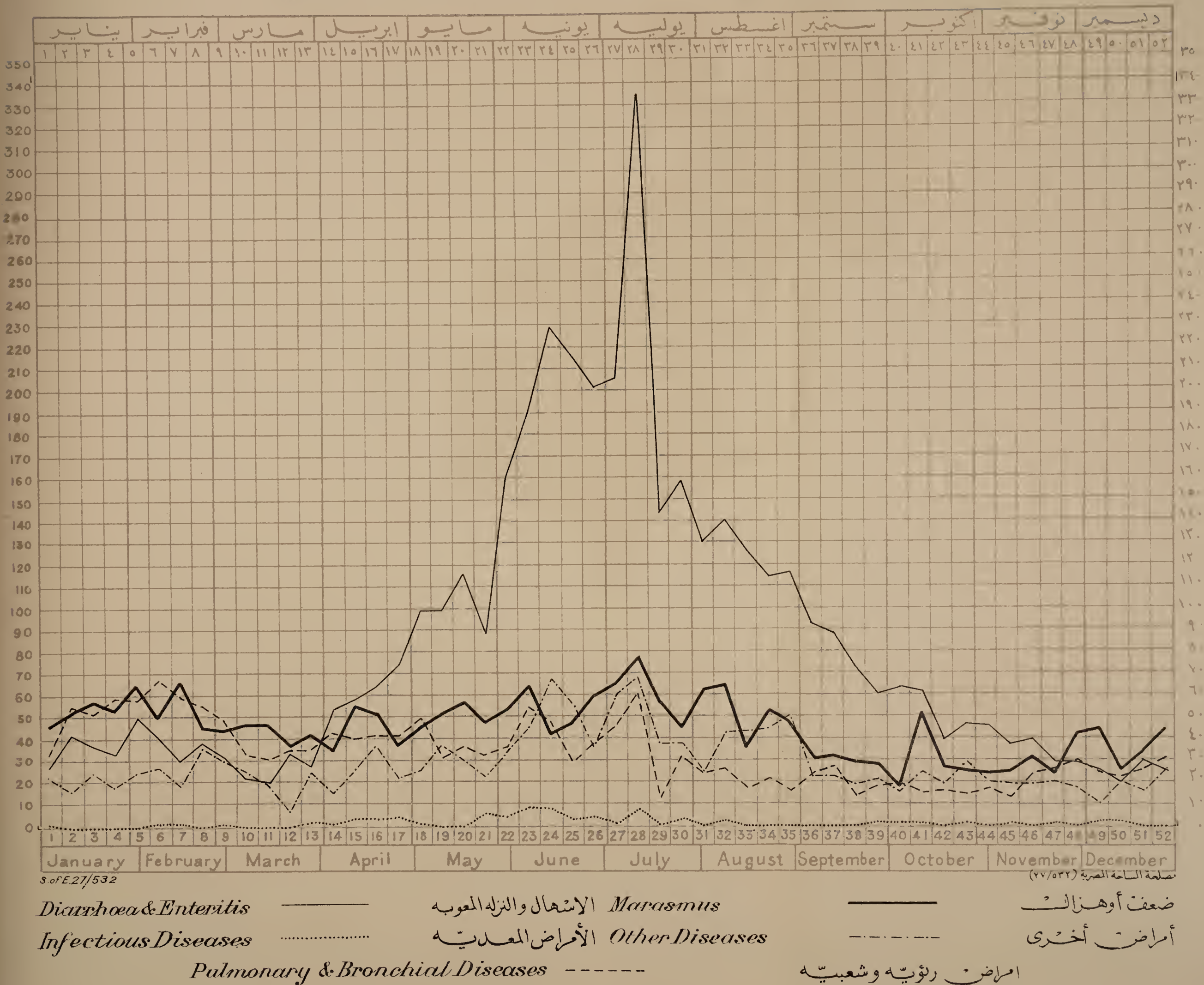
Weekly Death-rates per 100 Births for 1924

نسبة الوفيات الأسبوعية لكل ١٠٠ مولود في سنة ١٩٢٤





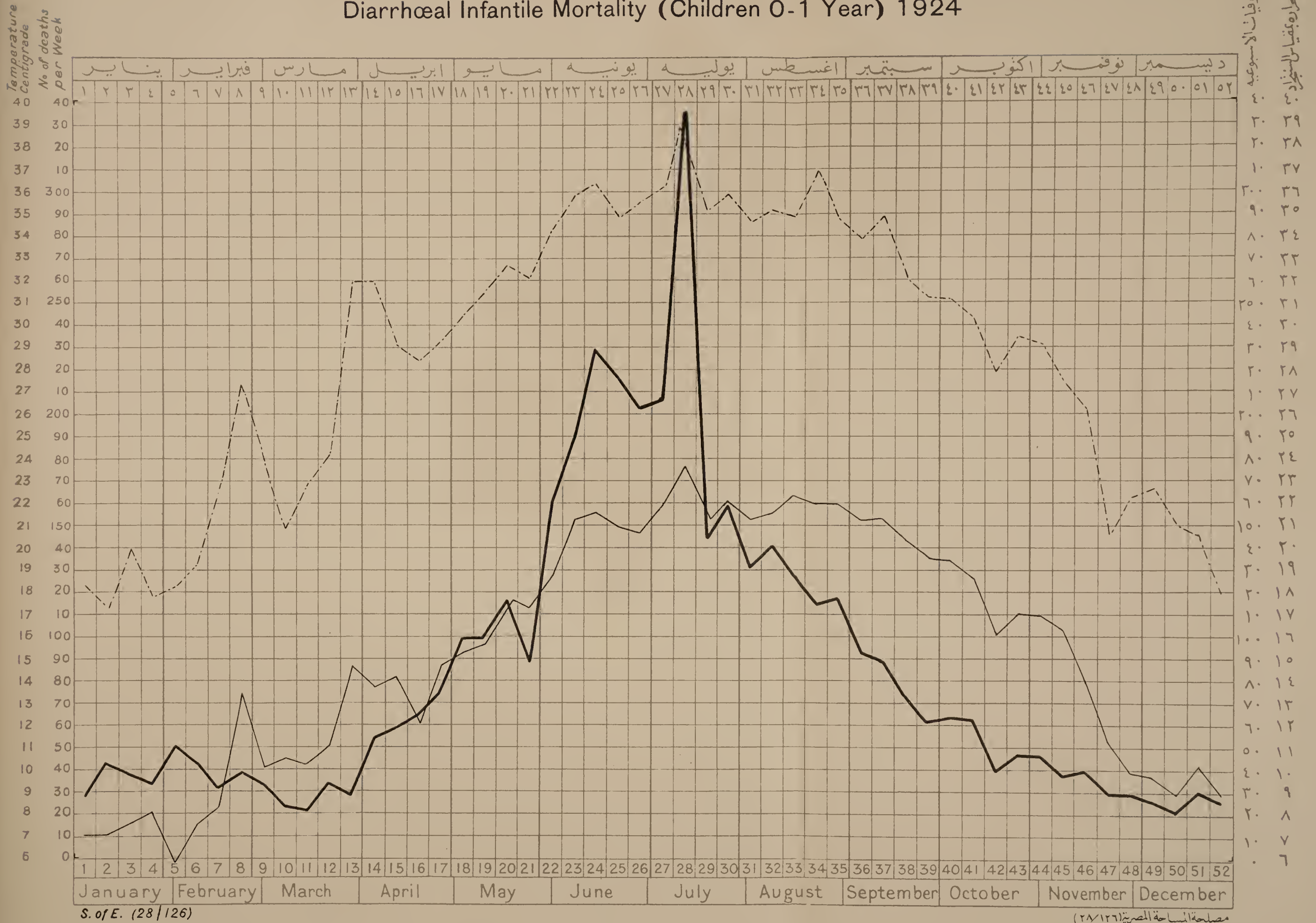
نسبة الوفيات الأسبوعية للأطفال الذين لا يزيد سنهم عن سنة واحدة بالقاهرة في سنة ١٩٢٤  
Weekly Infantile Mortality Children 0-1 Year 1924, Cairo.







وفيات الأسهال للأطفال الذين دون السنة الأولى من عمرهم سنة ١٩٢٤  
Diarrhoeal Infantile Mortality (Children 0-1 Year) 1924



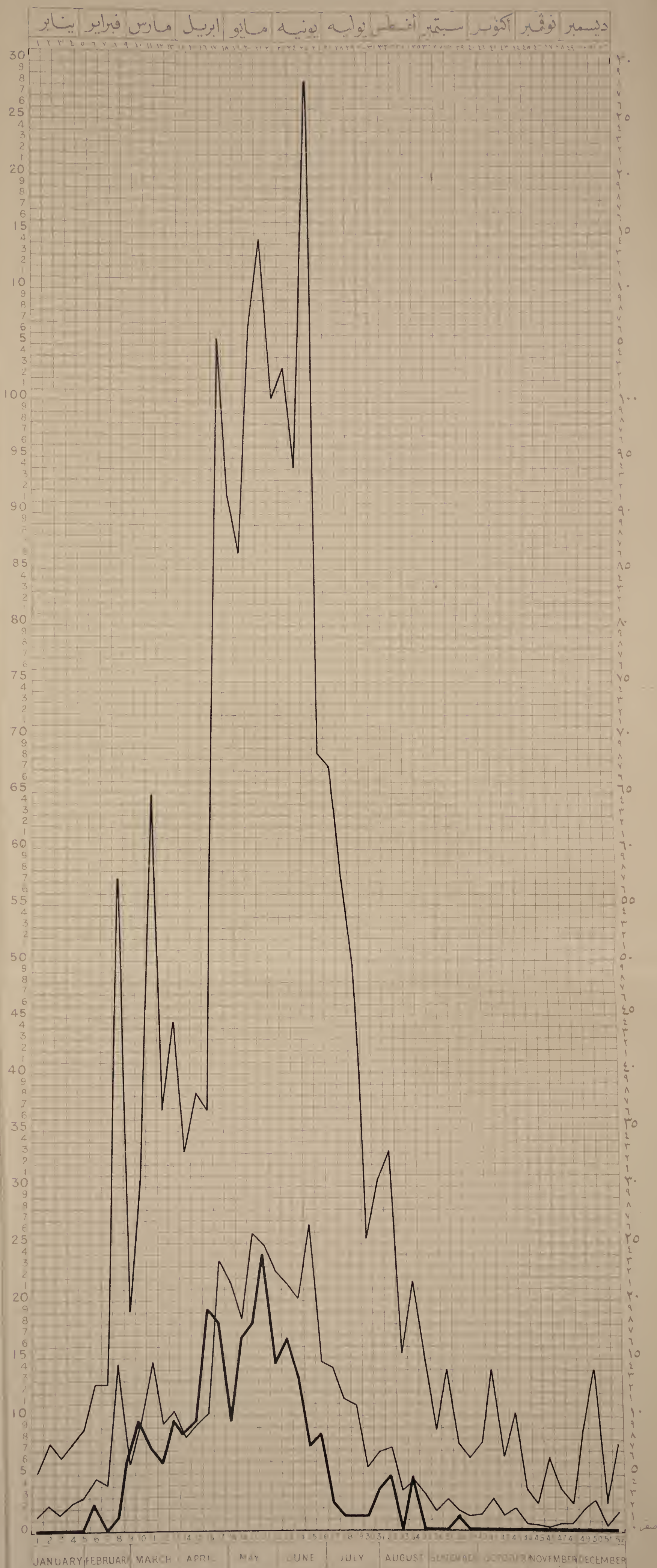
مصلحة المساحة المصرية (٢٨/١٢٦)







المجدري  
Small Pox



S. of E. 27/532

Weekly Max., Min. & Mean number of Cases  
Estimated per Million of Population 1919-23.  
Weekly Total of Cases in 1924.

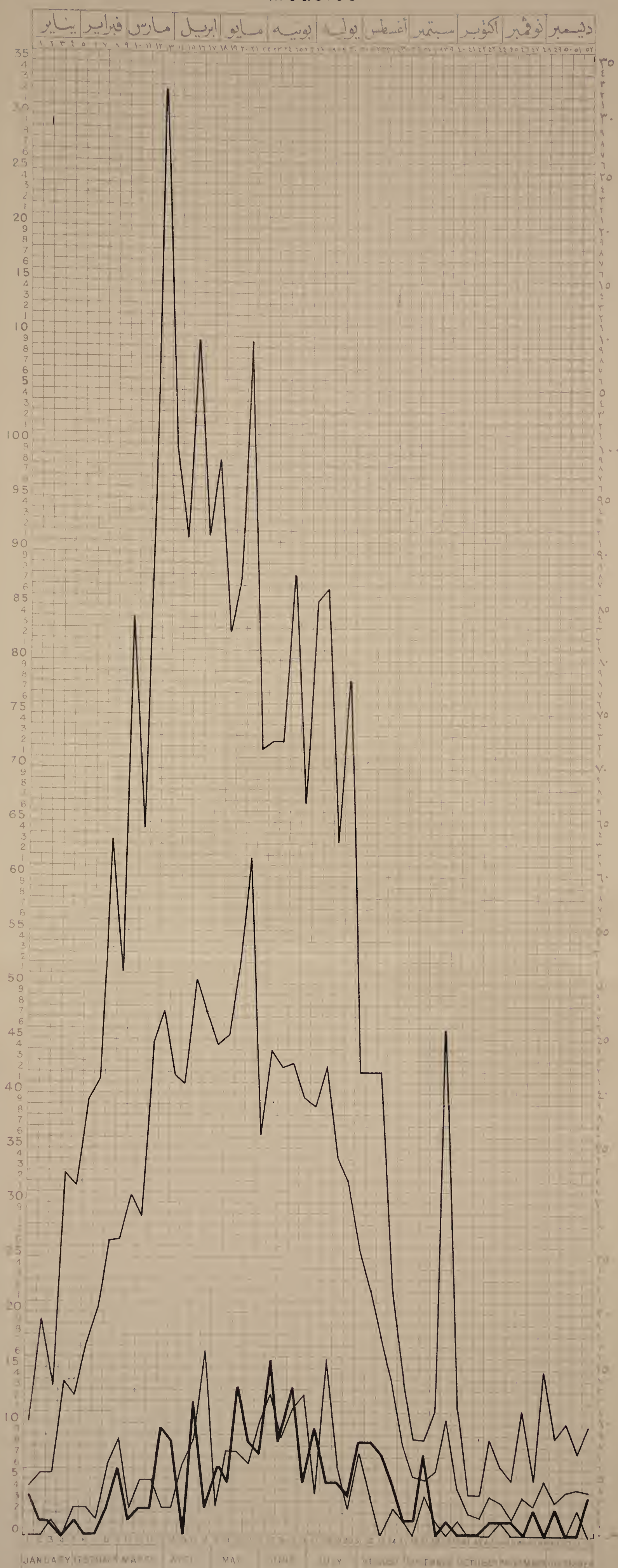
مصلحة الصحة (٢٧/٥٣٢)

النسب الأسبوعية القصوى والمنخفضة والصغرى  
لعدد الاصابات في كل مليون من السكان من ١٩١٩-١٩٢٣  
المجموع الأسبوعي للاصابات في سنة ١٩٢٤





الحصبة  
Measles



S. of E. 27/532.

مصلحة المساحة الضرية (٢٧/٥٣٢)

*Weekly max., min. & mean N<sup>e</sup> of cases  
estimated per Million of population  
1919-1925.*

النسب الاسبوعية الفضوى والمتوسطة والصغرى  
العقد الاصلية في كل مليون من السكان من -  
١٩١٩-١٩٢٣

*Weekly total of cases in 1924.*

المجموع الأسبوعي للإصكايات في سنة ١٩٢٤



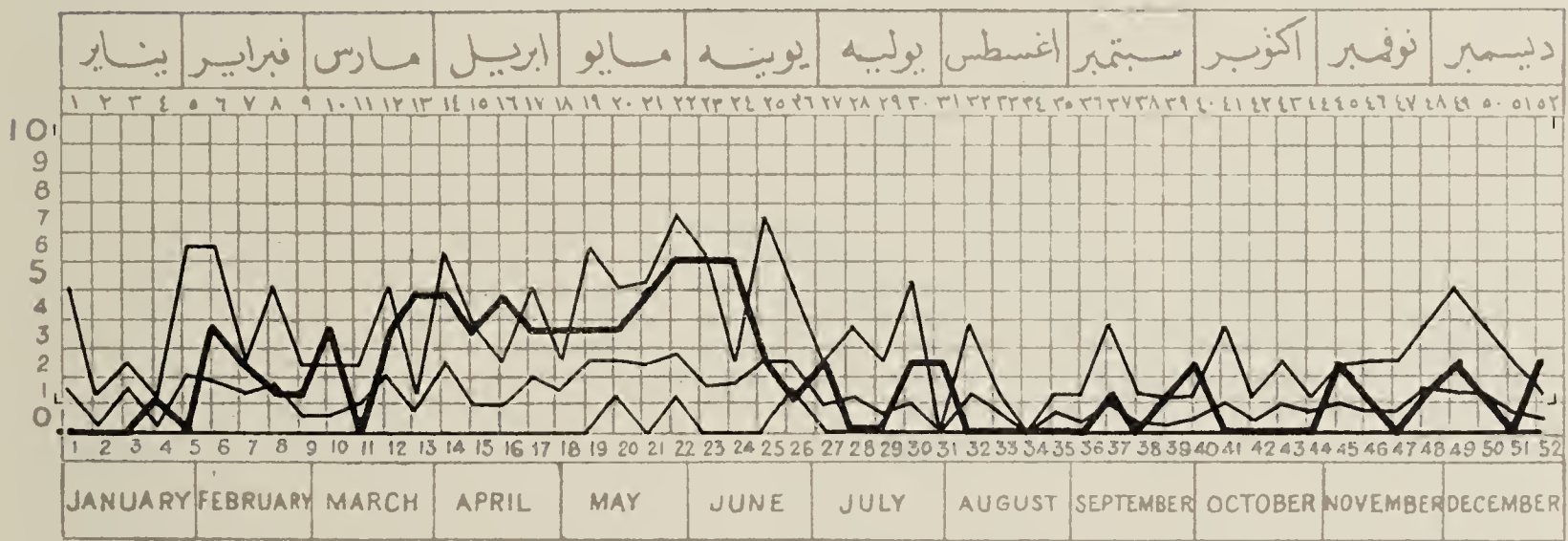


تقرير صحة مدينة القاهرة سنة ١٩٢٤  
Cairo City Health Report 1924.

خريطة رقم ٧ — Chart 7.

خريطة رقم ٩  
Chart 9.

الحُمى القرمزية  
Scarlet Fever



S. of E 27/532

مصلحة المساحة المصرية (٢٧/٥٣٢)

Weekly Max Min & Mean No of cases  
estimated per Million of pop, 1919-1923

النسب الأسبوعية القصوى والمتوسطة والصغرى لعدد  
الاصابات في كل مليون من السكان من سنة ١٩١٩ الى سنة ١٩٢٣  
المجموع الأسبوعي للاصابات في سنة ١٩٢٤

Weekly total of cases in 1924



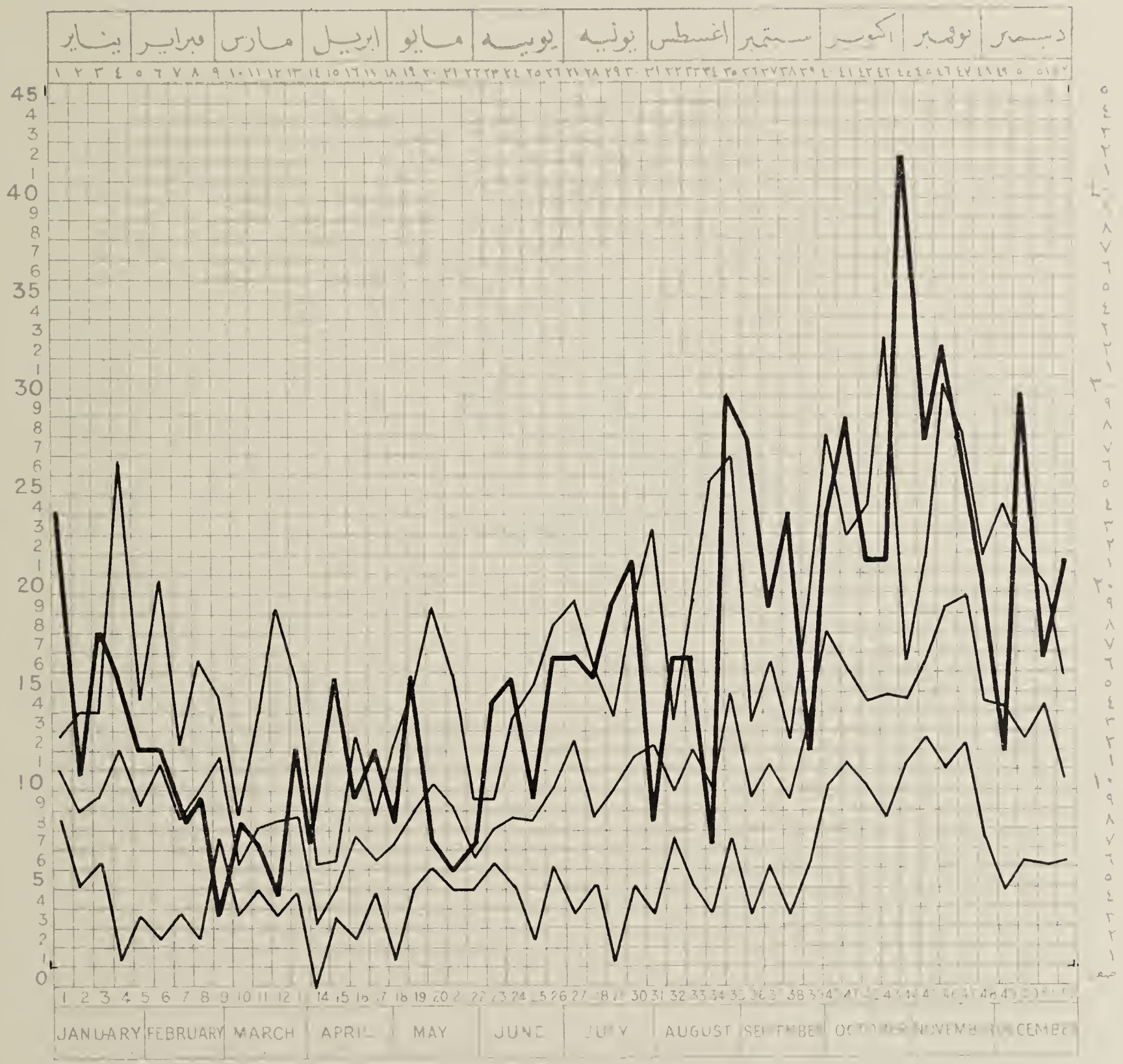


تقرير صحة مدينة القاهرة سنة ١٩٢٤  
Cairo City Health Report 1924

خريطة رقم ٨ — Chart 8.

خريطة رقم ٥  
Chart 5.

# الدفترية Diphtheria



S. of E. 27/532

مصلحة الساحة الصحية (٢٧/٥٣٢)

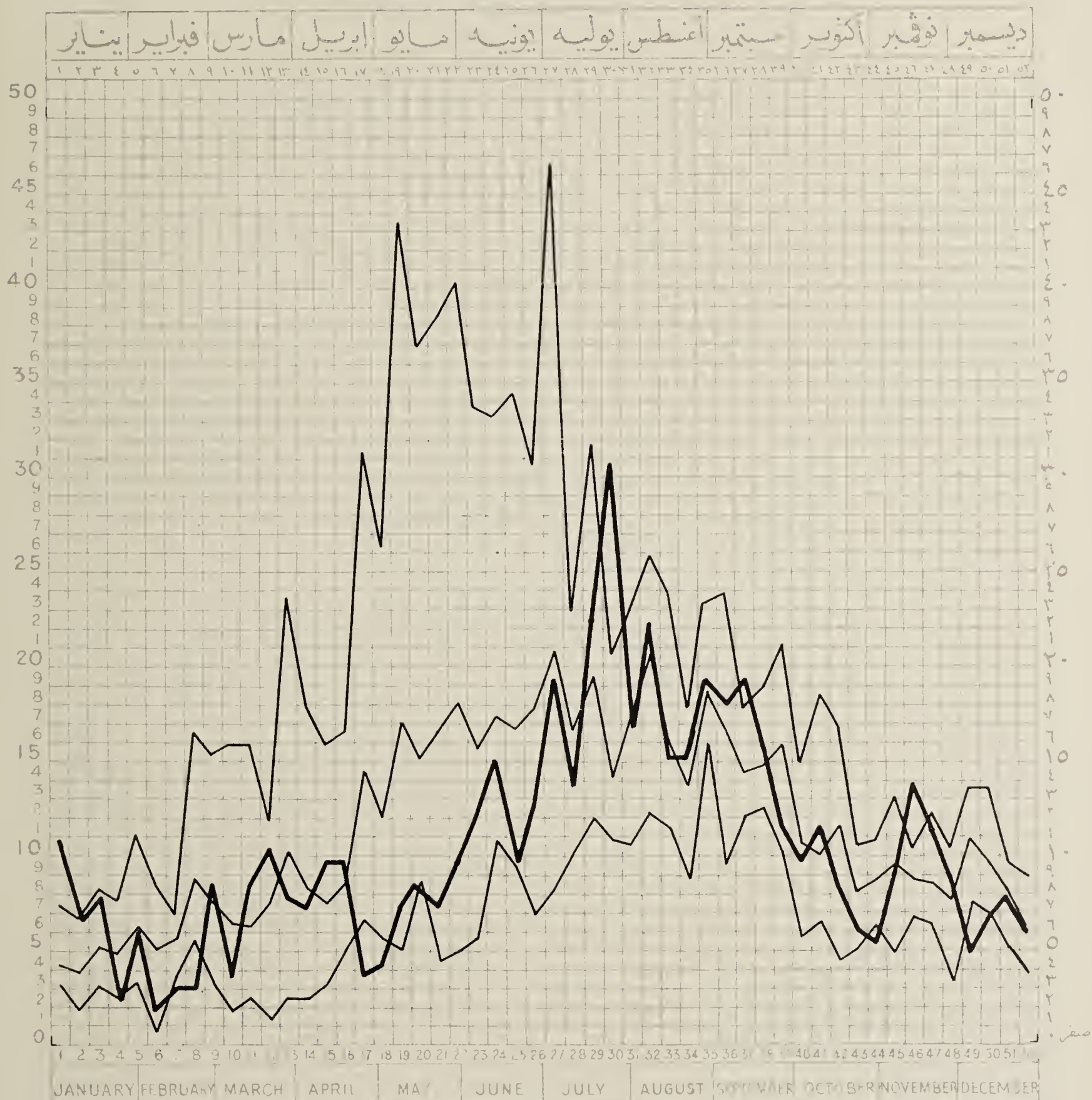
Weekly Max. Min & Mean N° of cases  
estimated per 500000 of pop, 1919-1923  
Weekly total of cases in 1924

النسب الأسبوعية القصوى والمتوسطة والصغرى لعدد  
الاصابات في كل ٥٠٠,٠٠٠ من السكان من سنة ١٩١٩ إلى سنة ١٩٢٣  
المجموع الأسبوعي للاصابات في سنة ١٩٢٤





الحُمى التيفوئيدية  
Typhoid Fever



S. of. E 27/532

مصلحة المساحة المصرية ٢٧/٥٢٢

Weekly Max. Min & Mean No of cases  
estimated per 50000 of pop. 1919-1923

النسب الاسبوعية القصوى والمتوسطة والصغرى لعدد  
الاصابات في كل ٥٠,٠٠٠ من السكان من سنة ١٩١٩ الى سنة ١٩٢٣

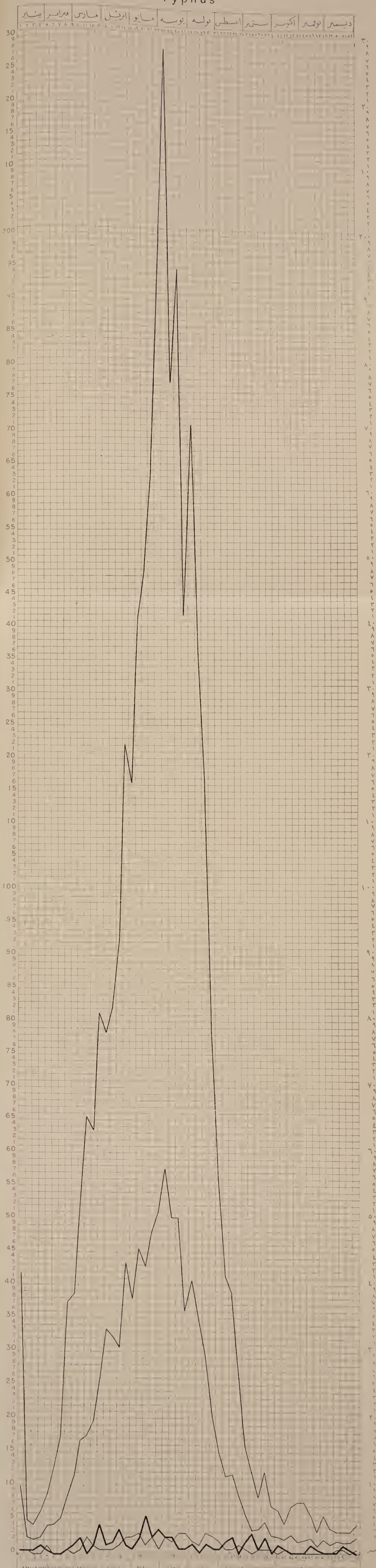
Weekly total of cases in 1924

المجموع الاسبوعي للاصابات في سنة ١٩٢٤





التَّيْفُوسُ  
Typhus



S.O.F.E 27/5.32

*Weekly max., min. & mean N° of cases  
estimated per 500,000 of population  
1919-1923.*

1919-1923.  
Weekly total of eggs in 1924.

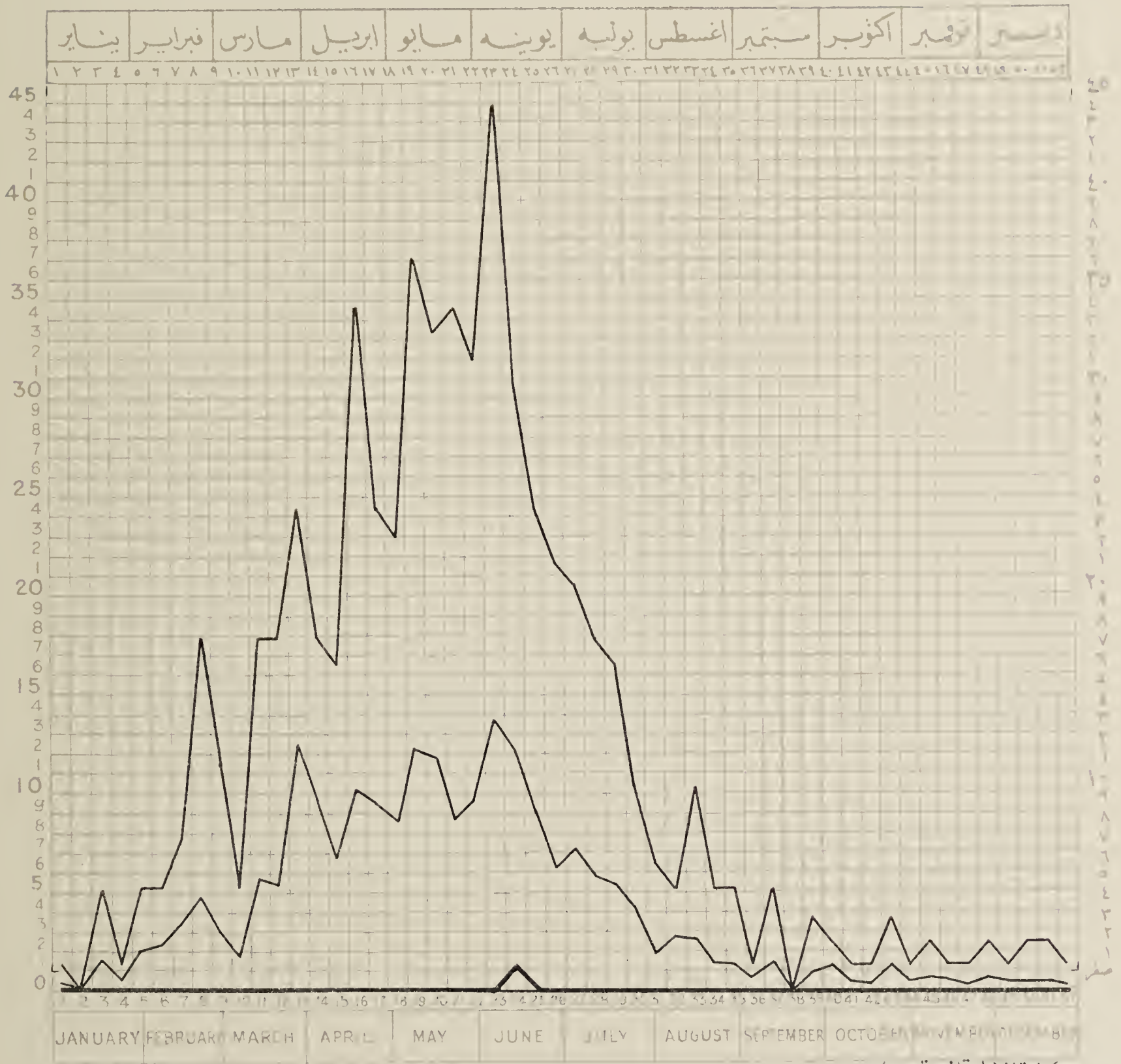
النسب الأسبوعية القصوى والمتوسطة والصغرى لعدد الإصابات في فكل ١٠٠٠... من السكان من سنة ١٩١٩ - سنة ١٩٢٤

الح - مجمع الامم ومعه الامم الان في نسخة ١٩٢٤ - مسند





الحُمى الرَّاجِعَة  
Relapsing Fever



S. of E. 27/532.

مصلحة المساحة المصرية: ٢٧/٥٣٢

Weekly max., min. & mean N° of cases estim.<sup>ed</sup>  
per Million of population 1919-1923.  
Weekly total of cases in 1924.

النسب الأسبوعية القصوى والمنخفضة والمتوسطة والصغرى  
لعدد الاصابات في كل مليون من السكان من سنة ١٩١٩ - سنة ١٩٢٣  
المجموع الأسبوعي للاصابات في سنة ١٩٢٤



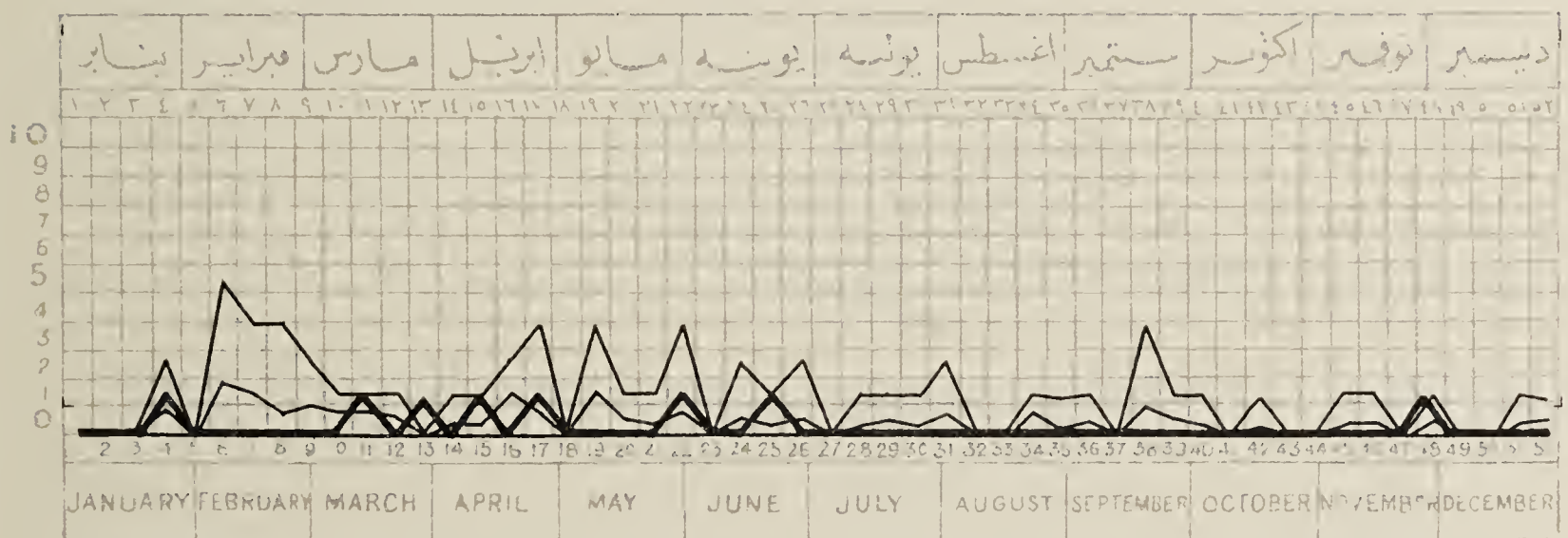


تقرير صحة مدينة القاهرة سنة ١٩٢٤  
Cairo City Health Report 1924.

خريطة رقم ١٢ — Chart 12.

خريطة رقم ٧  
Chart 7

## الحُمى المخيَّة الشوكيَّة Cerebro Spinal Fever



S. of E 27/532

مصلحة المساحة المصرية (٢٧/٥٢٢)

Weekly max., min. & mean N° of Cases  
estimated per Million of pop. 1919-23.

النسب الأسبوعية القصوى والمتوسطة والصغرى  
لعددا لاصابات في كل مليون من السكان من سنة ١٩٢٣ إلى سنة ١٩٢٤

Weekly total of Cases in 1924

المجموع الأسبوعي للاصابات في سنة ١٩٢٤





## PUBLIC HEALTH LABORATORIES.

### 1.—INTRODUCTION.

The total number of examinations made in the Public Health Laboratories, Cairo, during the year was 27,915 as compared with 24,030 in 1923, the increase being due mainly to the large number of specimens received in connection with the diagnosis of plague, malaria, gonorrhœa and syphilis (Wassermann Reaction).

In addition, the number of examinations carried out in the bacteriological provincial laboratories at Port Said and Suez amounted to 2274 and 6039 respectively. The tables showing these examinations classified under several headings are given in the section of this report dealing with "Provincial Laboratories".

The Parasitology Section of the Laboratories undertook, early in the year, a field-investigation on a large scale into ankylostomiasis in Helwân area. This area lies to the south of Cairo, naturally bounded by the Nile on one side and the desert on the other side approaching each other at Tura village. According to the Census of 1917, this area is inhabited by a population of approximately 15,000. 10 per cent of the inhabitants in each village were systematically examined for evidence of parasitic infection, including microscopical examination of the urine and stools of each individual. It was intended to treat every individual in the locality with carbon tetrachloride, excluding however, pregnant women and children under 6 years of age. The attendance was entirely voluntary and the number treated represented roughly 50 per cent of the population. It is proposed to visit the same locality during 1925 to ascertain if the incidence of ankylostoma infection has been affected by the campaign.

The Convict Prison at Tura which lies in the same locality was also visited and a thorough microscopical examination of the urine and stools of all prisoners, numbering about 3,000, and the warders, was done. It was found that the longer a prisoner stays in the prison, the less is the intensity of parasitic infection. All the prisoners were given carbon tetrachloride and the results will be gauged by a future visit in 1925.

During the last four months of the year an investigation centre was established at Dessuk, and a thorough examination of all students of the schools, kuttabs etc. was made. It was found that nearly 30 per cent of the students and 50 per cent of the population were infected with *Sch. mansoni*.

For many years the laboratories have been preparing annually a stock of cholera vibrio emulsion of various strains of known powerful antigenic properties, for use in prophylactic vaccination in case of an outbreak of cholera during the pilgrimage. It was found however that the bacterial emulsion deteriorated and could not be used, thus entailing waste of material and energy. Arrangements have, therefore been made for the preparation of dried cholera vaccine according to the method advocated by Douglas and Fleming (British Journal of Experimental Pathology, Vol. II, No. 3, 1921). 88 grams of dried vaccine (about 40,000 doses) have already been prepared.

In view of the steady increase in the diagnosis work it was decided that the laboratories should prepare their own agglutinating sera required for their diagnostic purposes. The agglutinating sera for cholera, typhoid, paratyphoid, dysentery, malta and para-malta have all been prepared and have been found to be of a high titre.

A small laboratory was started at the beginning of the year at Asyût to carry out investigations in connection with plague amongst rats and their relation to plague epidemics. A large number of rats were caught and dissected and if any suspicious lesions were found, cultures were taken and sent to the Laboratories for examination. 440 specimens taken from a total of 2,000 rats, were examined but with negative results. This may be accounted for by the fact that all the rats caught were alive. Different results might be obtained if the examination could be carried out on specimens taken from dead rats.

The occurrence of a fever epidemic in the village of Kom el Akhdar, Markaz Shibin el Kôm, with indefinite clinical symptoms, led to an enquiry by the Department. A bacteriologist was sent to the place and a number of specimens of blood, urine and fæces were collected and examined. It was found that the epidemic was one of typhoid and paratyphoid, and that 77 per cent of all cases were moreover suffering from a parasitic infection.

The system of training boys for subsequent employment as laboratory assistants has been modified, as that 80 per cent of the posts of laboratory assistants will be filled by candidates holding the Secondary Education Certificate Part 1. Boys of this type are



generally more reliable and can be easily trained to do the less technical work and the handling etc. of apparatus and instruments, thus relieving the technical staff of unnecessary routine work.

It was stated in last year's report that plans for the erection of a new antirabic institute and hospital annexe had been prepared, but the site not having been chosen, the work could not be commenced. Towards the end of the year a piece of land, the property of the Government near Kasr el 'Aini Hospital, was selected, and it is hoped that the erection will be commenced without delay.

The plans for the new building of the Port Said Bacteriological laboratory were prepared and the site chosen, but construction has not yet been commenced.

A considerable amount of research work has been carried out during the year mainly in connection with the routine work of the Laboratories and special points referred to them by the other sections of the Department and Government Administrations.

The colloidal gold reaction for the diagnosis of syphilitic affections of the nervous system was investigated. The results so far have been encouraging and the test now forms one of the routine methods of diagnosis.

Many cases of para-enteric fevers were investigated from their aetiological point of view. A certain number of these were found to be caused by an infection with *B. paratyphosus* C. and *B. faecalis alcaligenes*.

The laboratories carried out some experiments with Germanin (Bayer 205) so much praised for the treatment of sleeping sickness, on the trypanosomiasis of camels. The results are promising and the researches are being continued.

The services of the laboratories were placed at the disposal of the Veterinary Section of the Ministry of Agriculture for identifying the nature of some of the animal diseases. Abortion in equines and pasteurellosis of horses were diagnosed and the organisms isolated.

Moreover the laboratories were constantly referred to by the different services of the Department of Public Health and other Government Administrations for advice and assistance on various questions of a scientific nature relating to public health.

The following publications have appeared during the year :

1. Reports and Notes of the Public Health Laboratories, No. 6 Ankylostomiasis and Bilharziasis in Egypt.

2. A Comparative Bacteriological Study of Bovine Abortion and undulant fever, Part II, by Z. Khaled. (Journal of Hygiene March 1924.)

3. *Aperçu Général sur le lait, le beurre et le fromage en Egypte*, by A. Azadian. (*Annales des Falsifications*, No. 192, decembre 1924).

## 2.—BACTERIOLOGICAL SECTION.

The following table gives a list of the examinations made under their several headings. The figures do not include the specimens of water examined bacteriologically ; these are given in the report on the Water Service.

TABLE I.

| NATURE OF SPECIMENS.                              | Government. | Private. | TOTAL. |
|---|-------------|----------|--------|
| Cholera ... ..                                    | 90          | —        | 90     |
| Plague ... ..                                     | 4,050       | —        | 4,050  |
| Cerebro-spinal meningitis ... ..                  | 10          | 5        | 15     |
| Diphtheria ... ..                                 | 785         | 1,102    | 1,887  |
| Malaria and relapsing fevers ... ..               | 5,644       | 32       | 5,676  |
| Cultural examination for enterica ... ..          | 123         | 41       | 164    |
| dysentery (and microscopic) ... ..                | 40          | 53       | 93     |
| Agglutination reaction for Malta fever ... ..     | 51          | 9        | 60     |
| enterica ... ..                                   | 3,272       | 289      | 3,561  |
| Weil-Felix ... ..                                 | 3,083       | 17       | 3,100  |
| Influenza ... ..                                  | 303         | —        | 303    |
| Wassermann reaction ... ..                        | 1,152       | 14       | 1,166  |
| Films for gonorrhœa and Spirochæta-pallida ... .. | 1,705       | —        | 1,705  |
| Sputum for tuberculosis ... ..                    | 447         | 8        | 455    |
| Urine and fæces for bilharzia ova ... ..          | 5           | 57       | 62     |
| Anthrax ... ..                                    | 14          | —        | 14     |
| Miscellaneous ... ..                              | 74          | 47       | 121    |
| GRAND TOTAL ... ..                                | 20,848      | 1,674    | 22,522 |

3.—CHEMICAL SECTION.

The following chemical analyses have been performed during 1924 :—

TABLE II.

| SAMPLES<br><br>RECEIVED FROM | Water and Sewage. | MANZŪL,<br>HALĀWA,<br>ETC.   |         | BUTTER<br>FAT. |   | BUTTER.  |                                  |  | EDIBLE<br>OILS. |   | MILK.    |              |  |           | Magnesium Sulphate, Sodium<br>Sulphate and Epsom Salt. | Drugs, etc. | Miscellaneous. | TOTAL. |
|------------------------------|-------------------|------------------------------|---------|----------------|---|----------|----------------------------------|--|-----------------|---|----------|--------------|--|-----------|--|-------------|----------------|--------|
|                              |                   | Narcotics<br>or<br>Alkaloids |         | Genuine.       | Adulterated by<br>admixture with other<br>Fats. | Genuine. | Adulterated                      |  | Genuine.        | Adulterated by<br>admixture with other<br>Oils. | Genuine. | Adulterated. | Doubtful (kind of<br>milk not stated). | Abnormal. |  |             |                |        |
|                              |                   | Present.                     | Absent. |                |   |          | by admixture<br>with other fats. | containing an<br>excessive amount<br>of water. |                 |   |          |              |  |           |  |             |                |        |
| Government<br>Administration | 178               | 46                           | 23      | 109            | 137   | 6        | 3                                | —  | 18              | 5   | 1,041    | 386          | 26                                     | 29        | 225  | 216         | 257            | 2,705  |
| British Army ...             | —                 | —                            | —       | —              | —   | —        | —                                | —  | —               | —   | —        | —            | —                                      | —         | —  | —           | 5              | 5      |
| Priv. individuals            | —                 | —                            | —       | 2              | —   | —        | —                                | —  | —               | —   | —        | —            | —                                      | —         | —  | —           | 5              | 7      |
| TOTAL ...                    | 178               | 46                           | 23      | 111            | 137   | 6        | 3                                | —  | 18              | 5   | 1,041    | 386          | 26                                     | 29        | 225  | 216         | 267            | 2,717  |

In addition to the above, the following examinations of Tinned Milk have been made :—

11 of Public Health Department.

3 of Prisons Department.

1 of State Domains.

—

15 TOTAL.

=

The miscellaneous analyses in the preceding table are made up as follows :—

TABLE III.

|                         |     |
|-------------------------|-----|
| Alum ... ..             | 28  |
| Bleaching powder ... .. | 126 |
| Bread ... ..            | 4   |
| Canned foods ... ..     | 14  |
| Cheese... ..            | 1   |
| Disinfectants ... ..    | 4   |
| Flour ... ..            | 53  |
| Fruits and jams... ..   | 12  |
| Tea ... ..              | 1   |
| Various ... ..          | 24  |
| TOTAL ... ..            | 267 |



### MILK ANALYSES

The collection of samples of milk by the Cairo City Health Inspectorate and the provincial health offices was continued during 1924. 1,066 samples were collected in Cairo and 389 in the provinces. A summary of the results (which are included in the table of chemical analyses) is appended :—

TABLE IV.

| NAME OF SENDERS.                      | Number of Samples Analysed. | GENUINE.   |           | ADULTERATED. |           |          |           |                      |           |        |           |
|---------------------------------------|-----------------------------|--|-----------|--------------|-----------|----------|-----------|----------------------|-----------|--------|-----------|
|                                       |                             |  |           | Watered.     |           | Skimmed. |           | Skimmed and Watered. |           | Total. |           |
|                                       |                             | No.  | Per Cent. | No.          | Per Cent. | No.      | Per Cent. | No.                  | Per Cent. | No.    | Per Cent. |
| Cairo City Health Inspectorate ... .. | 1,003                       | 746  | 74·3      | 70           | 7         | 115      | 11·5      | 72                   | 7·2       | 257    | 25·7      |
| Port Said Health Inspectorate ... ..  | 142                         | 108  | 76·       | 30           | 21·1      | 4        | 2·9       | —                    | —         | 34     | 24·       |
| Ismailia Health Office.               | 96                          | 64   | 66·7      | 22           | 22·9      | 9        | 9·4       | 1                    | 1         | 32     | 33·3      |
| Suez „ „                              | 71                          | 54   | 76·1      | 8            | 11·3      | 6        | 8·4       | 3                    |           | 17     | 23·9      |
| Chibin el Kôm Health Office ... ..    | 14                          | 8  | 57·2      | 5            | 35·7      | —        | —         | 1                    | 4·2       | 6      | 42·8      |
| Fareskour Health Office ... ..        | 2                           | 1  | 50·       | 1            | 50        | —        | —         | —                    | 7·1       | 1      | 50·       |
| El Atf Health Office.                 | 2                           | 1  | 50·       | —            | —         | 1        | 50·       | —                    | —         | 1      | 50·       |
| Damanhour „                           | 3                           | 2  | 66·7      | 1            | 33·3      | —        | —         | —                    | —         | 1      | 33·3      |
| TOTAL ...                             | 1,333                       | 984  | 73·8      | 137          | 10·3      | 135      | 10·1      | 77                   | 5·8       | 349    | 26·2      |
|                                       | 90                          | Samples received broken.                         |           |              |           |          |           |                      |           |        |           |
|                                       | 25                          | Found abnormal.                                  |           |              |           |          |           |                      |           |        |           |
|                                       | 7                           | Result doubtful (kind of milk not being stated). |           |              |           |          |           |                      |           |        |           |
| GRAND TOTAL ...                       | 1,455                       |  |           |              |           |          |           |                      |           |        |           |

### 4.—WATER SERVICE.

The number of analyses of water, ærated waters, etc. made for all purposes during 1924, was as follows :—

TABLE V.

|                                       | Number of Samples. | Examined for Total Bacteria. | Examined for Lactose Fermenters. |
|---------------------------------------|--------------------|------------------------------|----------------------------------|
| <i>Bacteriological.</i>               |                    |                              |                                  |
| Cairo water supply (Rôd el Farag) ... | 460                | 460                          | 460                              |
| Giza water supply ... ..              | 374                | 374                          | 374                              |
| Ma'adi water supply ... ..            | 362                | 362                          | 362                              |
| Helwân water supply ... ..            | 246                | 246                          | 246                              |
| Daily samples of tap water ... ..     | 293                | 293                          | —                                |
| Other supplies ... ..                 | 104                | 104                          | 104                              |
| Aerated waters from :—                |                    |                              |                                  |
| Cairo ... ..                          | 637                | —                            | 637                              |
| Suez ... ..                           | 12                 | —                            | 12                               |
| Chibin el Kôm ... ..                  | 4                  | —                            | 4                                |
| Ismailia ... ..                       | 4                  | —                            | 4                                |
| Ice (Cairo) ... ..                    | 147                | 147                          | 147                              |
| Sewage ... ..                         | 18                 | 18                           | 18                               |
| TOTAL ... ..                          | 2,661              | 2,004                        | 2,368                            |
| <i>Chemical.</i>                      |                    |                              |                                  |
| Water :—                              |                    |                              |                                  |
| Public supplies ... ..                | 52                 | —                            | —                                |
| Private supplies ... ..               | 100                | —                            | —                                |
| Mineral water ... ..                  | 1                  | —                            | —                                |
| Sewage ... ..                         | 25                 | —                            | —                                |
| TOTAL ... ..                          | 178*               | —                            | —                                |

\* These analyses are already included in the table of chemical analyses.

The Water Board which up to the end of 1923 was composed of the Director of the Public Health Laboratories and of the Chief Engineer of the Municipalities and Local Commissions Section of the Ministry of Interior, for engineering questions, was in 1924 reconstituted as follows :—

[illegible]

The Board deals with all questions of drinking-water supplies arising in the ordinary course of the work of the Department, the decisions of the Board being carried out by Section I, which is now responsible for the inspection and general control of the various supplies.

## 5.—VACCINE INSTITUTE.

The amount of vaccine lymph issued in 1924 was 3,422,792 doses. This issue was made up as follows :—

TABLE VI.

|   | Doses.    |
|---|-----------|
| Public Health Inspectors (Bandars) ... .. | 293,750   |
| " " " (Markazes) ... ..                   | 1,175,370 |
| Extra to Public Health Inspectors ... ..  | 1,250,510 |
| Cairo City Health Inspectorate ... ..     | 258,495   |
| Ministry of Education ... ..              | 8,115     |
| Prisons Department... ..                  | 12,929    |
| Egyptian Army ... ..                      | 43,000    |
| Lunatic Asylums ... ..                    | 1,118     |
| Frontier Districts Administration ... ..  | 23,205    |
| Alexandria Municipality... ..             | 113,600   |
| Suez Canal Company ... ..                 | 3,910     |
| Sudan Government ... ..                   | 115,500   |
| Miscellaneous sales ... ..                | 115,195   |
| Miscellaneous gratis... ..                | 8,195     |
|   | 3,422,792 |

Result of the test carried out by the Cairo City Health inspectorate of Batches of calf lymph manufactured during 1924.

TABLE VII.

| Number<br>of Batch.   | No.<br>of children<br>vaccinated. | RESULT.              |        |      |      |         |
|-----------------------|-----------------------------------|----------------------|--------|------|------|---------|
|                       |                                   | Successful Pustules. |        |      |      | Failed. |
|                       |                                   | Four.                | Three. | Two. | One. |         |
| 248                   | Seed Vaccine.                     | —                    | —      | —    | —    | —       |
| 249                   | 38                                | 23                   | 9      | 3    | 1    | 2       |
| 250                   | 27                                | 9                    | 4      | 4    | 6    | 4       |
| 251                   | 52                                | 16                   | 12     | 6    | 12   | 6       |
| 252                   | 39                                | 17                   | 8      | 9    | 3    | 2       |
| 253                   | 41                                | 20                   | 10     | 2    | 6    | 3       |
| 254                   | 47                                | 35                   | 5      | 2    | 3    | 2       |
| 255                   | 72                                | 55                   | 13     | 4    | 0    | 0       |
| 256                   | 45                                | 30                   | 7      | 5    | 1    | 2       |
| 257                   | 53                                | 37                   | 7      | 6    | 2    | 1       |
| 258                   | 73                                | 70                   | 3      | 0    | 0    | 0       |
| 259                   | 51                                | 43                   | 5      | 2    | 0    | 1       |
| Carried<br>forward... |                                   |                      |        |      |      |         |



TABLE VII (contd).

| Number<br>of Batch.       | No.<br>of children<br>vaccinated. | RESULT.              |        |      |      |         |
|---------------------------|-----------------------------------|----------------------|--------|------|------|---------|
|                           |                                   | Successful Pustules. |        |      |      | Failed. |
|                           |                                   | Four.                | Three. | Two. | One. |         |
| <i>Brought forward...</i> |                                   |                      |        |      |      |         |
| 260                       | 63                                | 55                   | 5      | 3    | 0    | 0       |
| 261                       | 52                                | 41                   | 2      | 5    | 3    | 1       |
| 262                       | 38                                | 30                   | 5      | 2    | 0    | 1       |
| 263                       | 28                                | 23                   | 2      | 3    | 0    | 0       |
| 264                       | 36                                | 35                   | 0      | 0    | 1    | 0       |
| 265                       | 84                                | 79                   | 4      | 1    | 0    | 0       |
| 266                       | 48                                | 40                   | 3      | 3    | 2    | 0       |
| 267                       | 67                                | 49                   | 11     | 3    | 2    | 2       |
| 268                       | 35                                | 28                   | 3      | 3    | 0    | 1       |
| 269                       | 52                                | 31                   | 8      | 8    | 4    | 1       |
| 270                       | 63                                | 58                   | 3      | 2    | 0    | 0       |
| 271                       | 46                                | 16                   | 10     | 6    | 8    | 6       |
| 272                       | 36                                | 16                   | 4      | 10   | 3    | 3       |
| 273                       | 41                                | 28                   | 5      | 4    | 1    | 3       |
| 274                       | 19                                | 14                   | 2      | 2    | 0    | 1       |
| 275                       | 56                                | 17                   | 10     | 11   | 12   | 6       |
| 276                       | 73                                | 47                   | 12     | 9    | 4    | 1       |
| 277                       | 55                                | 42                   | 7      | 4    | 1    | 1       |
| 278                       | 57                                | 17                   | 26     | 11   | 3    | 0       |
| 279                       | 56                                | 26                   | 17     | 7    | 5    | 1       |
| 280                       | 51                                | 27                   | 12     | 6    | 5    | 1       |
| 281                       | 52                                | 34                   | 5      | 8    | 3    | 2       |
| 282                       | 45                                | 37                   | 4      | 3    | 1    | 0       |
| 283                       | Seed Vaccine.                     | —                    | —      | —    | —    | —       |
| 284                       | 26                                | 24                   | 0      | 2    | 0    | 0       |
| 285                       | 33                                | 31                   | 2      | 0    | 0    | 0       |
| 286                       | 35                                | 33                   | 2      | 0    | 0    | 0       |
| TOTAL ...                 | 1,785                             | 1,233                | 247    | 159  | 92   | 54      |
| Per cent...               | —                                 | 69·1                 | 13·83  | 8·9  | 5·15 | 3·02    |

## 6.—PROVINCIAL BACTERIOLOGICAL LABORATORIES.

(1) *Port Said Laboratory.*—The work in this laboratory was commenced in January 1924 and during the year a total number of 2,274 specimens were examined.

The staff is composed of a bacteriologist, a laboratory assistant and a laboratory boy. The routine is that adopted in the Public Health Laboratories, Cairo.

The laboratory performs the bacteriological work required for the town of Port Said and carries out investigation in connection with epidemics.

In July 1924 an epidemic amongst the rats on the eastern side of the Suez Canal led to an investigation and three of the infected rats were sent for examination and two of these were found to show plague bacilli.

The following table shows the number of examinations made under their several headings :—

TABLE VIII.

|  |       |
|--|-------|
| Cholera ... ..   | 15    |
| Plague ... ..  | 39    |
| Diphtheria... ..   | 143   |
| Malaria and Relapsing Fevers ... ..                                  | 163   |
| Agglutination reaction for <i>Widal</i> and <i>Weil-Felix</i> ... .. | 139   |
| ” ” ” <i>Malta</i> Fever ... ..                                      | 7     |
| Sputum for tuberculosis ... ..                                       | 71    |
| Films for <i>Gonorrhœa</i> ... ..                                    | 766   |
| Urine and <i>fæces</i> for <i>Bilharzia</i> ova ... ..               | 587   |
| Cultural examination for dysentery ... ..                            | 157   |
| Cultural examination for enterica... ..                              | 21    |
| Wassermann reaction ... ..   | 109   |
| Influenza ... ..   | 4     |
| Miscellaneous ... ..   | 53    |
| Total ... ..   | 2,274 |

(2) *Suez Laboratory*.—This laboratory is within the grounds of the Government General Hospital at Suez.

Work was commenced in January 1924 and during the year a total number of 6,039 specimens were examined.

The staff is composed of a bacteriologist, a laboratory assistant and a laboratory boy. The routine is that adopted in the Public Health Laboratories, Cairo.

Most of the work done is diagnostic in nature and is carried out for the staff of the General Hospital. Bacteriological work in connection with the return of pilgrims is one of the main points for which the laboratory had been established at Suez.

The following table No. IX shows the number of examinations made under their several headings :—

|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Cholera   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 811   |
| Plague  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 31    |
| Cerebro Spinal Meningitis   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1     |
| Diphtheria  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 59    |
| Malaria and Relapsing Fevers  | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 595   |
| Agglutination reaction for Widal and Weil-Felix                     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 336   |
| Wassermann reaction   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 257   |
| Films for Gonorrhœa   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,209 |
| Sputum for tuberculosis   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 131   |
| Urine and fæces for bacteriological and parasitological examination | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,676 |
| Water, aerated waters and ice                                       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 397   |
| Pus for organisms   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 390   |
| Specimens for preparation of autogenous vaccine                     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13    |
| Miscellaneous   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 133   |
| Total   |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 6,039 |

## 7. ANTIRABIC INSTITUTE.

During the year under review a total of 2,839 cases of bites were reported to the Institute as compared with 2,469 in 1923. From this number the following deductions should be made :

- 1,260 persons were not treated at all, the biting animal was found by the Veterinary Service to be free from rabies ;
- 3 persons ceased to attend for treatment without a satisfactory reason ;
- 89 persons whose treatment was discontinued as subsequent events proved that they ran no risk.

The number of persons who received a full course of treatment is, therefore, 1,487 This figure is the record and compared with the corresponding figure of the previous year there is an increase of 206.

### 1. MONTHLY INCIDENCE

The monthly incidence of the 1,487 cases dealt with in the statistics is shown below :—

| Month.    | Persons. |
|-----------|----------|
| January   | 96       |
| February  | 97       |
| March     | 124      |
| April     | 122      |
| May       | 116      |
| June      | 140      |
| July      | 133      |
| August    | 130      |
| September | 145      |
| October   | 137      |
| November  | 107      |
| December  | 140      |



## 2. TOPOGRAPHICAL DISTRIBUTION.

The 1,487 persons treated may be subdivided as follows:—

|                                     |                |
|-------------------------------------|----------------|
| Egyptians ... ..                    | 1,354 persons. |
| Foreigners resident in Egypt ... .. | 131 „          |
| Foreigners not resident ... ..      | 2 „            |

Their place of origin was:—

### Governorates:—

|                   |              |
|-------------------|--------------|
| Cairo ... ..      | 241 persons. |
| Alexandria ... .. | 118 „        |
| Suez Canal ... .. | 24 „         |
| Damietta ... ..   | 8 „          |

### Provinces:—

|                  |             |
|------------------|-------------|
| Qalyûbiya ... .. | 74 persons. |
| Sharqîya ... ..  | 178 „       |
| Daqahliya ... .. | 129 „       |
| Minûfiya ... ..  | 95 „        |
| Gharbiya ... ..  | 184 „       |
| Beheira ... ..   | 66 „        |
| Gîza ... ..      | 114 „       |

### Provinces (contd.):—

|                  |             |
|------------------|-------------|
| Beni Suef ... .. | 63 persons. |
| Faiyûm ... ..    | 17 „        |
| Minya ... ..     | 48 „        |
| Asyût... ..      | 62 „        |
| Girga... ..      | 32 „        |
| Qena ... ..      | 22 „        |
| Aswân ... ..     | 7 „         |
| Sinai ... ..     | 2 „         |
| Abyssinia ... .. | 1 „         |
| Baghdad ... ..   | 1 „         |
| Abroad ... ..    | 1 „         |

## 3.—POSITION OF THE INJURIES.

138 cases were bites on the head.

846 cases were bites on naked skin ... .. { Serious ... 180  
Slight ... 666

503 cases were bites through clothing.

## 4.—CLASSIFICATION OF THE BITING ANIMALS.

The injuries to the 1,487 patients were inflicted by:—

|                |              |                                   |          |
|----------------|--------------|-----------------------------------|----------|
| Dogs... ..     | 1,269 cases. | Horses ... ..                     | 9 cases. |
| Cats ... ..    | 79 „         | Mules ... ..                      | 2 „      |
| Wolves ... ..  | 61 „         | Camels ... ..                     | 15 „     |
| Monkeys ... .. | 13 „         | Rats ... ..                       | 5 „      |
| Donkeys ... .. | 30 „         | Infected in the laboratory ... .. | 3 „      |

## 5.—NOTES ON THE ANIMALS INFLECTING THE BITE.

1. It is to be noted that the number of persons bitten does not correspond to the number of the animals causing the bites reported by the Veterinary Service, as in several cases one animal caused the injury to more than one person.

2. In a certain number of cases, definite diagnosis could not be established, and these cases are considered as suspect. The details are as follows:—

677 animals escaped and could not be arrested.

57 animals were killed and the carcasses destroyed.

193 brains of animals arrived at the Institute in state of decomposition and no investigation was possible.

61 animals remained suspect, the rabbit inoculated being inconclusive.

20 brains of animals thrown away, the accommodations in the stables being insufficient.

The total of suspected animals is, therefore, 1,008.

3. Rabies was considered to be proved in the case of 55 animals, having bitten 155 persons. The diagnosis was determined:

By the Veterinary Inspectors in the case of 17 animals (14 dogs, 2 donkeys and 1 cat), having bitten 53 persons;

By rabbit inoculation (*up to the present*) in the case of 30 animals (26 dogs, 3 cats and 1 wolf), having bitten 81 persons.

4. In the case of 8 animals, having bitten 21 persons, positive diagnosis of rabies is presumed by the death of one or more of the patients bitten.

N.B.—33 brains are still under examination.

#### 6.—METHOD OF TREATMENT.

No change was introduced during the year in the method of preparation of our vaccine.

#### 7.—STATISTICS.

In accordance with the practice in other Antirabic Institutes, the statistics comprise only deaths occurring more than 15 days after the treatment was completed.

Amongst the persons treated in 1924, there occurred 4 deaths.

Table 10 attached gives the names and other particulars concerning each of these cases. The corrected mortality rate representing the cases in which the treatment failed, is therefore, 0·26 per cent.

In addition to the above, it is necessary to record the death of 9 other persons who died either during treatment or less than 15 days after its completion. The gross mortality comprising all deaths is therefore, 0·87 per cent. Table II gives a classification of the cases treated and the mortality rate.

Three more cases were considered as doubtful, diagnoses were incomplete for the reasons mentioned in 1923 report.



TABLE X.—NOTES ON PATIENTS DIED DURING 1924.

| No.     | NAME OF PATIENT.             | Age. | Sex. | Place where<br>the Accident occurred. | Position of Injuries. | Nature<br>and Number.        | Bitten by                       | Date of Bite. | Dates<br>of Treatment. | Date of Death.                                       |
|---------|------------------------------|------|------|---------------------------------------|-----------------------|------------------------------|---------------------------------|---------------|------------------------|--|
| 16,085  | Mohamed Yousif ... ..        | 65   | M.   | Sayed, Cairo ...                      | Upper lip             | 3 slight.                    | Dog<br>Diagnosis<br>impossible. | 9.3.24        | 10.3.24<br>30.3.24     | 6.5.24<br>36 days after treatment.<br>57 " " bite.   |
| 16,991  | Abdel-Latif Lashin ... ..    | 18   | M.   | Mashtul, Belbeis...                   | L. thumb<br>R. thumb  | 1 v. severe.<br>1 v. severe. | Dog<br>Diagnosis<br>impossible. | 25.9.24       | 28.9.24<br>18.10.24    | 11.11.24<br>23 days after treatment.<br>46 " " bite. |
| 17,190  | Ibrahim Yousif el-Moayad ... | 45   | M.   | Abu-Zaabal... ..<br>Shebin el-Kanater | fore-head             | 1 v. severe.                 | Dog<br>Diagnosis<br>impossible. | 11.11.24      | 12.11.24<br>2.12.24    | 31.12.24<br>28 days after treatment.<br>49 " " bite. |
| 17,284* | Hussein Mostafa Khadr ... .. | 9    | M.   | Beni Suef B. ...                      | L. hand               | 3 sl. severe<br>2 slight.    | Rabid<br>dog.                   | 30.11.24      | 17.12.24<br>6.1.25     | 23.1.25<br>16 days after treatment.<br>53 " " bite.  |

\* This patient was absent 10 days during treatment, and the failure of treatment may be due to this reason.

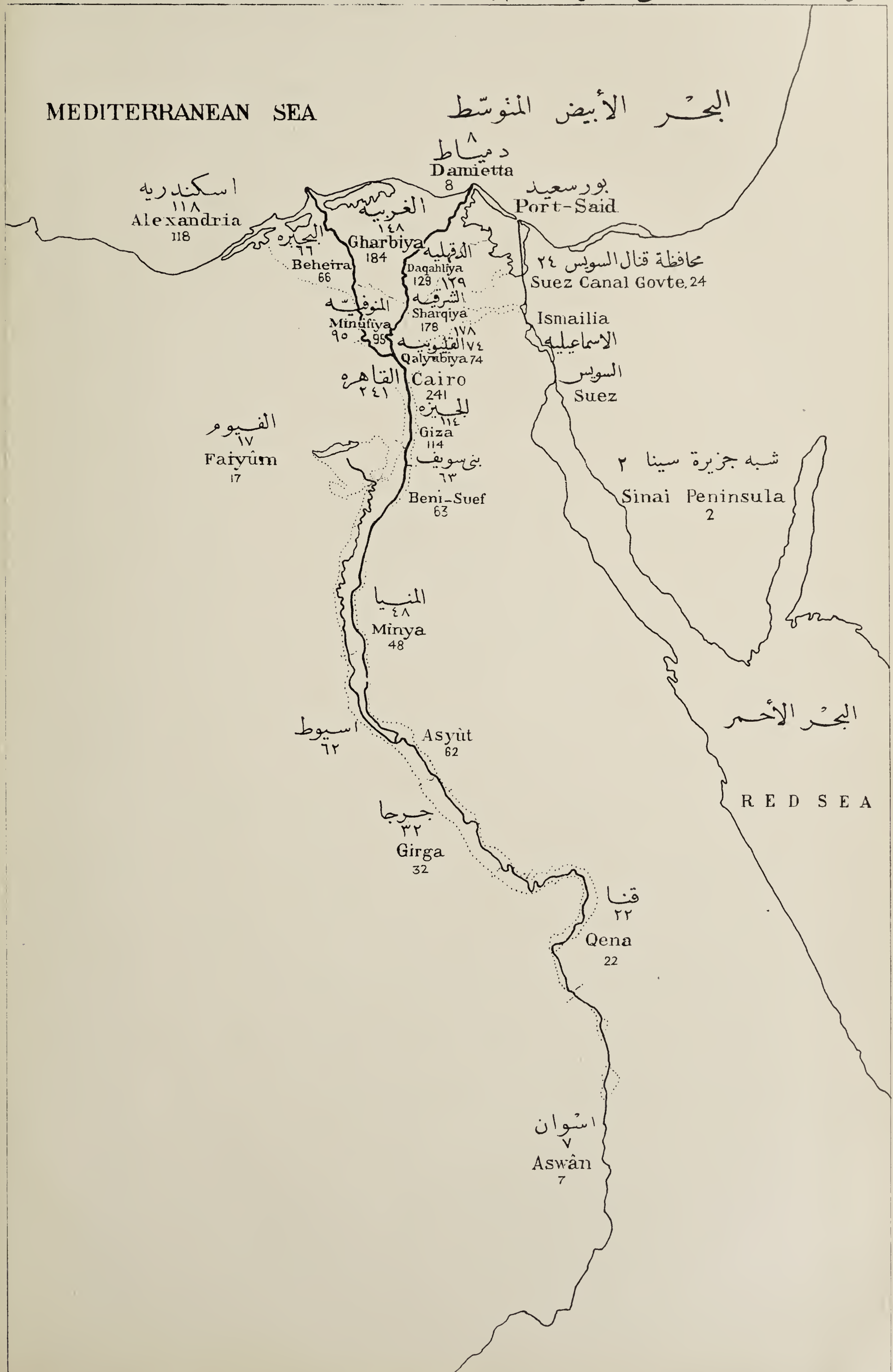
TABLE XI.—RESULT OF ANTIRABIC TREATMENT IN CAIRO DURING 1924.

| Class | INJURED ON THE HEAD. |   |                        | INJURED ON NAKED SKIN<br>(head excepted). |   |                        | INJURED THROUGH CLOTHING. |   |                        | TOTAL.   |   |                        |
|-------|----------------------|---|------------------------|---|---|------------------------|---------------------------|---|------------------------|----------|---|------------------------|
|       | Treated.             |   | Mortality<br>per Cent. | Treated.                                  |   | Mortality<br>per Cent. | Treated.                  |   | Mortality<br>per Cent. | Treated. |   | Mortality<br>per Cent. |
|       | Died.                |   |                        | Died.                                     |   |                        | Died.                     |   |                        | Died.    |   |                        |
| A     | 19                   | 0 | 0.0                    | 69  | 1 | 1.4                    | 26                        | 0 | 0.0                    | 114      | 1 | 0.8                    |
| B     | 6                    | 0 | 0.0                    | 37  | 0 | 0.0                    | 10                        | 0 | 0.0                    | 53       | 0 | 0.0                    |
| C     | 113                  | 2 | 1.7                    | 740                                       | 1 | 0.1                    | 467                       | 0 | 0.0                    | 1,320    | 3 | 0.2                    |
|       | 138                  | 2 | 1.4                    | 846                                       | 2 | 0.2                    | 503                       | 0 | 0.0                    | 1,487    | 4 | 0.26                   |

Class A. The animal causing the bite proved to be rabid by the development of rabies in patients bitten or by experimental inoculation.  
" B. " " " was declared to be rabid by the Veterinary Surgeon.  
" C. " " " suspected of rabies.

# RABIES IN EGYPT IN 1924

# داء الكلب في القطر المصري سنة ١٩٢٤





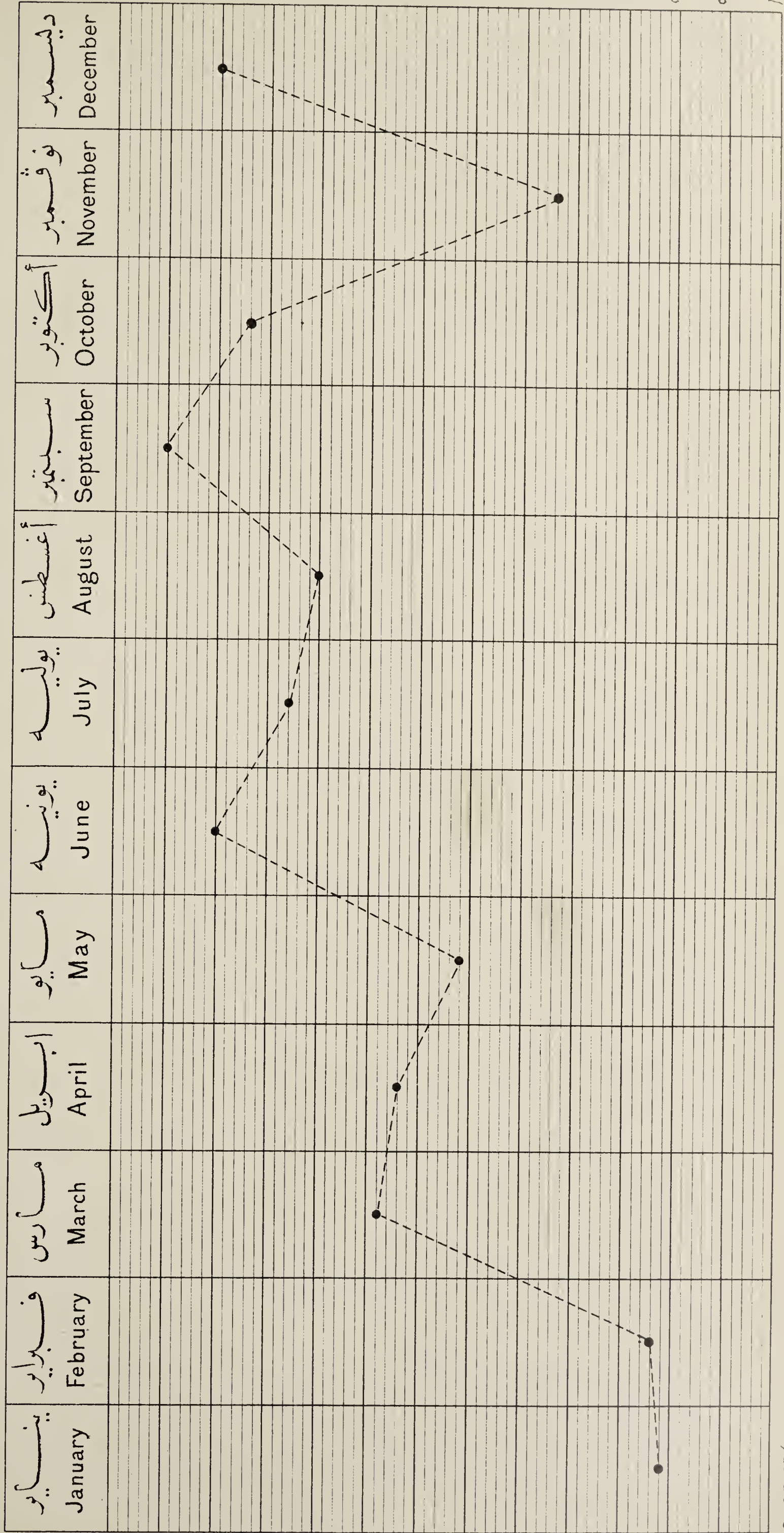


RABIES INCIDENCE

إصابات الكلب

CURVE SHOWING THE MONTHLY INCIDENCE IN 1924

رسم بياني الاصابات الشهرية في سنة ١٩٢٤







FINANCE AND PERSONNEL.

1.—BUDGET.

|  |              |
|--|--------------|
| Actual expenditure during 1924-25 amounted to ... .. | L.E. 653,988 |
| „ „ „ 1923-24 „ „ ... ..                             | „ 658,171    |
| Decrease for 1924-25 compared with 1923-24 ... ..    | L.E. 4,183   |

TABLE I.—COMPARISON BETWEEN ACTUAL EXPENDITURE DURING 1924-25  
AND THAT OF 1923-24.

|   | Actual<br>Expenditure<br>1924-1925 | Actual<br>Expenditure<br>1923-1924 | Increase. | Decrease. |
|---|------------------------------------|------------------------------------|-----------|-----------|
|   | L.E.                               | L.E.                               | L.E.      | L.E.      |
| <i>Expenditure on Services under direct control of the Department.</i>    |                                    |                                    |           |           |
| Art. 1. Salaries, wages and allowances ...                                | 372,330                            | 362,430                            | 9,900     | —         |
| „ 2. Transport, transfer and travelling allowances ... ..                 | 28,470                             | 33,802                             | —         | 5,332     |
| „ 3. Food ... ..  | 61,292                             | 59,042                             | 2,250     | —         |
| „ 4. Forage ... ..  | 1,888                              | 1,789                              | 99        | —         |
| „ 5. Rent, water, light, etc. ... ..                                      | 18,556                             | 17,692                             | 864       | —         |
| „ 6. Books and periodicals ... ..   | 325                                | 391                                | —         | 66        |
| „ 7. Telephones and telegrams ... ..                                      | 2,626                              | 3,104                              | —         | 478       |
| „ 8. Petty expenses ... ..  | 3,006                              | 3,590                              | —         | 584       |
| „ 9. Purchase of animals ... ..   | 1,159                              | 928                                | 231       | —         |
| „ 10. Free water fountains ... ..   | 4,258                              | 3,864                              | 394       | —         |
| „ 11. Stores ... ..   | 87,911                             | 84,101                             | 3,810     | —         |
| „ 12. Uniforms ... ..   | 217                                | 612                                | —         | 395       |
| „ 13. Upkeep of material ... ..   | 2,272                              | 2,430                              | —         | 158       |
| „ 14. Transport of stores ... ..  | 6,648                              | 10,363                             | —         | 3,715     |
| „ 15. Allowances to sanitary barbers ...                                  | 484                                | 514                                | —         | 30        |
| „ 19. Allowances for Examinations in Dentistry ... ..                     | 11                                 | 37                                 | —         | 26        |
| „ 20. Prophylactic measures against Ankylostoma ... ..                    | 8,522                              | 8,052                              | 470       | —         |
| „ 21. Passenger control ... ..  | 9,365                              | 11,895                             | —         | 2,530     |
| „ 22. Maintenance of lock hospitals for Europeans ... ..                  | 3,006                              | 3,545                              | —         | 539       |
| „ 24. Educational Missions ... ..   | 6,066                              | 5,667                              | 399       | —         |
| „ 25. New works ... ..  | 15,177                             | 19,481                             | —         | 4,304     |
|   | 633,589                            | 633,329                            | 18,417    | 18,157    |
| <i>Credits shown in D.P.H. Budget for work done by other Departments.</i> |                                    |                                    |           |           |
| Art. 16. Disinfecting ships at the ports ...                              | 5,468                              | 7,481                              | —         | 2,013     |
| „ 17. Maintenance of temporary lazarets at Gabbary... ..                  | 3,966                              | 5,482                              | —         | 1,516     |
| „ 18. Sanitary improvements in mosques                                    | 480                                | 439                                | 41        | —         |
| „ 23. Subventions ... ..  | 10,742                             | 11,728                             | —         | 986       |
|   | 654,245                            | 658,459                            | 18,458    | 22,672    |
| <i>To deduct :</i>  |                                    |                                    |           |           |
| Recoveries for services rendered ... ..                                   | 257                                | 288                                | 31        | —         |
| TOTAL ... ..  | 653,988                            | 658,171                            | 18,489    | 22,672    |

Out of L.E. 654,245 expended in 1924-25 a sum of L.E. 633,589 was paid for services under the direct control of the Dept. and the balance of L.E. 20,656 was paid by other Depts. and charged against the D.P.H. budget.



TABLE II.—DETAILS OF SUBVENTIONS SHOWN UNDER ART. 23.

|  | L.E.   |
|--|--------|
| Quarantine Board ... ..  | 7,000  |
| For the maintenance of the quarantine post at Sauakin ... ..           | 1,000  |
| Association Internationale d'Assistance Publique ... ..                | 560    |
| Lady Cromer's Dispensary ... ..  | 1,100  |
| Asile des Vieillards ... ..  | 150    |
| Victoria Deaconesses' Hospital ... ..                                  | 154    |
| The International Public Health Office at Paris ... ..                 | 482    |
| Sleeping Sickness Commission ... ..                                    | 1,000  |
| Tropical Diseases Bureau * ... ..                                      | *100   |
| Allowances to the presidents of the Medical Boards of London and Paris | 225    |
| Tahita Hospital ... ..   | 150    |
| TOTAL ... ..   | 11,921 |

\* Limited to 5 years, ending on March 1927.

TABLE III.—NEW WORKS ACTUAL EXPENDITURE.

|  | 1924-1925 |
|--|-----------|
|  | L.E.      |
| 1. Equipment for new buildings :—                        |           |
| (a) Port-Saïd Fever Hospital ... ..                      | 143       |
| (b) Mansura " " ... ..                                   | 479       |
| (c) Assiut " " ... ..                                    | 899       |
| (d) Giza Ophthalmic Laboratory ... ..                    | 597       |
| 2. Various   |           |
| (a) Plantation of trees, 'Abbâsiya fever Hospital ... .. | 307       |
| (b) Anti-Malaria Campaign ... ..                         | 9,678     |
| (c) Purchase of land for Assiut Fever Hospital ... ..    | 2,106     |
| (d) Bacteriological fittings Port-Saïd Laboratory ... .. | 302       |
| (e) Carpentry work at Giza Ophthalmic Hospital ... ..    | 114       |
| (f) Fire Precautions, 'Abbâsiya Fever Hospital ... ..    | 551       |
| TOTAL ... ..   | 15,176    |

2.—PERSONNEL.

TABLE IV.—CENTRAL ADMINISTRATION.

| TITLE.  | Grade. | 1923 | 1924 | TITLE.  | Grade. | 1923 | 1924 |
|---|--------|------|------|---|--------|------|------|
| TECHNICAL.                                      |        |      |      | <i>Brought forward</i> ...                                  |        | 69   | 70   |
| Under-Secretary of State                        |        | 1    | 1    | ADMINISTRATIVE.   |        |      |      |
| Director-General ... ..                         | D.G.   | 1    | 1    | Director, Administrative Service ... ..                     | II     | 1    | —    |
| Director, Public Health Laboratories ... ..     | I C    | 1    | 1    | Director of Secretariat ...                                 | III    | 1    | 1    |
| Deputy Director, Public Health Laboratories ... | II     | 1    | 1    | Director, Finance and Personnel ... ..                      | III    | 1    | 1    |
| Technical Secretary ... ..                      | II     | —    | 1    | Deputy Director, Finance and Personnel ... ..               | IV     | 1    | 1    |
| Director, Antirabic Institute ... ..            | III    | 1    | 1    | Director of Stores ... ..                                   | III    | 1    | —    |
| Bacteriologists Cat. A ...                      | III    | 3    | 3    | Director of Permits and Secretary to Board of Health ... .. | IV     | 1    | 1    |
| " " B ...                                       | IV     | 8    | 8    | Chief of Translation and Publication ... ..                 | V      | 1    | 1    |
| " " C ...                                       | VB     | 3    | 3    | Assistant Director of Secretariat ... ..                    | V      | 1    | 1    |
| Chemist " A ...                                 | III    | 1    | 1    | Chief Store Officer ... ..                                  | V      | 1    | 1    |
| " " B ...                                       | IV     | 2    | 2    | Administrative Assistants, Finance and Personnel...         | V      | 2    | 2    |
| " " C ...                                       | V      | 2    | 2    | Inspector, Provincial Clerical Work ... ..                  | VI     | 1    | —    |
| Assistant Chemists ... ..                       | VI     | 3    | 3    | Inspector of Stores ... ..                                  | VI     | 2    | 2    |
| Director of Stores ... ..                       | III    | —    | 1    | CLERICAL.   |        |      |      |
| Senior Pharmacist ... ..                        | VB     | 1    | 1    | Employees ... ..  | A      | 12   | 12   |
| Technical Secretary ... ..                      | V      | 1    | —    | Storekeepers ... ..   | A      | 3    | 3    |
| General Service Medical Officers ... ..         | VI     | 21   | 21   | Employees ... ..  | B      | 45   | 45   |
| Pharmacist ... ..                               | VI     | 1    | 1    | Storekeepers ... ..   | B      | 12   | 12   |
| Assistant Pharmacists ...                       | VII    | 8    | 8    | Employees ... ..  | C      | 128  | 128  |
| Mowallidas ... ..                               | VII    | 6    | 6    | Storekeepers ... ..   | C      | 26   | 26   |
| Foreman of Works ... ..                         | VI     | 1    | 1    | TOTAL ... ..  |        | 309  | 307  |
| " " ... ..                                      | VII    | 1    | —    |   |        |      |      |
| Assistant Engineer ... ..                       | VII    | 1    | 1    |   |        |      |      |
| Foreman of Instrument Workshops ... ..          | VIII   | 1    | 1    |   |        |      |      |
| Inspector of Stores ... ..                      | V      | —    | 1    |   |        |      |      |
| <i>Carried forward</i> ...                      |        | 69   | 70   |   |        |      |      |

TABLE V.—HEALTH DEPARTMENT.

| TITLE.                        | Grade.  | 1923 | 1924 | TITLE.                           | Grade | .1923 | 1924 |
|-------------------------------|---------|------|------|----------------------------------|-------|-------|------|
| TECHNICAL.                    |         |      |      | <i>Brought forward</i> ... 64 58 |       |       |      |
| Deputy Director-General       | I B     | 1    | 1    | Assistant Police M.Os.,          |       |       |      |
| Inspector General ... ..      | Special | 1    | 1    | Cairo and Alexandria ...         | V A   | 2     | 2    |
| Director of Section ... ..    | I C     | 1    | 1    | General Service M.O. ...         | VI    | 149   | 149  |
| " " " " " " ... ..            | II      | 1    | 1    | Nursing Sister, 1st class        | VII   | 1     | —    |
| P.M.O., Cairo City ... ..     | II      | 1    | 1    | Inspector of Disinfection ...    | VII   | 1     | 1    |
| Deputy Director of Section    | III     | 1    | 1    | Inspector of Disinfecting        | VII   |       |      |
| M.O. of Health, Cairo City    |         | 2    | 2    | Machines ... ..                  |       | 1     | 1    |
| M.O. " " " " Port Said        |         | 1    | 1    | Inspector of Vidange ...         |       | 1     | 1    |
| Divisional Inspectors ...     |         | 7    | 7    | Mowallidas... ..                 |       | 23    | 23   |
| " " " " " " ...               | IV      | 3    | 1    | Overseers ... ..                 |       | 35    | 35   |
| Chief Sanitary Engineer ...   | III     | 1    | 1    | Draftsman ... ..                 |       | 1     | 1    |
| Sanitary Engineer ... ..      | IV      | 1    | —    | " " " " " " ...                  | VIII  | 1     | 1    |
| Inspectors, Epidemics ...     | IV      | 3    | 2    | ADMINISTRATIVE.                  |       |       |      |
| S.M.O., Sections, Cairo City  | IV      | 3    | 3    | Administrative Assistant...      | V     | 1     | 1    |
| Public Health Inspectors ...  | IV      | 16   | 16   | " " " " " " ...                  | VI    | 1     | 1    |
| Principal Police M.Os., Cairo | IV      | 2    | 2    | " " " " " " Cairo                | VI    | 1     | 1    |
| and Alexandria ... ..         |         |      |      | City ... ..                      |       |       |      |
| Sanitary Engineer, Cairo      | IV      | 1    | 1    | CLERICAL.                        |       |       |      |
| City... ..                    | V       | 1    | —    | Employees ... ..                 | A     | 12    | 12   |
| Sanitary Engineer ... ..      | V A     | 13   | 13   | " " " " " " ...                  | B     | 34    | 34   |
| Assistant P.H. Inspectors     | V A     | 1    | 1    | " " " " " " ...                  | C     | 209   | 209  |
| Port M.O., Alexandria ...     | V B     | 3    | 2    | TOTAL ... ..                     |       |       |      |
| Food and Nuisance Ins-        |         |      |      |                                  |       | 537   | 530  |
| pectors ... ..                |         |      |      |                                  |       |       |      |
| <i>Carried forward</i> ...    |         | 64   | 58   |                                  |       |       |      |

TABLE VI.—MEDICAL DEPARTMENT.

|                             |     |    |    |                              |     |     |     |
|-----------------------------|-----|----|----|------------------------------|-----|-----|-----|
| TECHNICAL.                  |     |    |    | <i>Brought forward</i> ...   |     |     |     |
| Deputy Director-General...  | I B | 1  | 1  | M.O., Central Medical Com-   |     | 22  | 22  |
| Director of Section ...     | I C | 1  | 1  | mission ... ..               | V A | 1   | 1   |
| " " " " " " ...             | II  | 1  | 1  | Assistant Director, Abbassia |     |     |     |
| Deputy Director of Section  | III | 1  | 1  | Fever Hospital ... ..        | V A | 1   | 1   |
| Divisional Inspector...     |     | 5  | 5  | P.M.O., General Hospitals    | V   |     |     |
| Inspectress ... ..          |     | 1  | —  | P.M.O., Ophthalmic Hos-      |     | 17  | 17  |
| President, Central Medical  |     | 1  | 1  | pitals ... ..                | V   | 15  | 16  |
| Commission ... ..           | III | 1  | 1  | P.M.O., Hôd El Marsûd ...    | V   | 1   | 1   |
| Hospital Director, Alex-    |     | 1  | 1  | General Service Medical      |     |     |     |
| andria ... ..               |     | 1  | 1  | Officers ... ..              | VI  | 67  | 87  |
| Hospital Director, Abbasia  |     | 1  | 1  | Deputy Chief Inspector of    |     |     |     |
| Fever Hospital ... ..       |     | —  | 1  | Pharmacies ... ..            | V A | 1   | 1   |
| P.M.O. Frontiers Districts  |     | —  | 1  | Senior Pharmacists ... ..    | V B | 6   | 6   |
| Vice-President, Central     |     |    |    | Pharmacists ... ..           | VI  | 23  | 23  |
| Med. Commission ... ..      | IV  | 1  | 1  | Assistant Pharmacists ...    | VII | 6   | 6   |
| Inspectress ... ..          | IV  | 1  | —  | Nursings Sister, 2nd class   | VII | 1   | —   |
| Chief Inspector of Pharma-  | IV  | 1  | 1  | Mowallidas ... ..            | VII | 37  | 45  |
| cies ... ..                 |     |    |    | Steward ... ..               | VI  | 1   | 1   |
| Hospital, P.M.O., Suez ...  | IV  | 1  | 1  | ADMINISTRATIVE.              |     |     |     |
| Hospital P.M.O., Port Said  | IV  | 1  | 1  | Administrative Assistant...  | V   | 1   | 1   |
| Chief Assistant M.O., Alex- | IV  | 1  | 1  | " " " " " " ...              | VI  | 1   | 1   |
| andria Hospital ... ..      |     |    |    | CLERICAL.                    |     |     |     |
| Radio-Therapist, Alexan-    | IV  | —  | 1  | Employees ... ..             | A   | 5   | 5   |
| dria Hospital... ..         |     |    |    | " " " " " " ...              | B   | 33  | 35  |
| Pathologist, Alexandria     | IV  | 1  | 1  | " " " " " " ...              | C   | 73  | 78  |
| Hospital ... ..             | V   | 1  | 1  | Moawen ... ..                | C   | —   | 1   |
| Surgeon ... ..              | V   | 1  | 1  | TOTAL ... ..                 |     |     |     |
| Gynaccologist ... ..        |     |    |    |                              |     | 312 | 348 |
| <i>Carried forward</i> ...  |     | 22 | 22 |                              |     |     |     |



TABLE VII.—GENERAL TOTAL OF PERMANENT STAFF.

|                               | 1923  | 1924  |
|-------------------------------|-------|-------|
| Central Administration ... .. | 309   | 307   |
| Health Department ... ..      | 537   | 530   |
| Medical Department ... ..     | 312   | 348   |
|                               | 1,158 | 1,185 |

TABLE VIII.—TEMPORARY STAFF.

| TEMPORARY STAFF.                   | GRADE. | 1923 | 1924 |
|------------------------------------|--------|------|------|
| TECHNICAL.                         |        |      |      |
| Food and Nuisance Inspector ... .. | V B    | 1    | 1    |
| Inspector of Overseers ... ..      | V      | 1    | 1    |
| Overseer ... ..                    | VII    | 1    | 1    |
| Matrons ... ..                     | VI     | 11   | 10   |
| Inspecting Nursing Sisters ... ..  | }      | 4    | 2    |
| Nursing Sisters, special class     |        | 10   | 10   |
| „ „ 1st class                      |        | 27   | 28   |
| „ „ 2nd „                          |        | 1    | 3    |
| Housekeepers ... ..                |        | 2    | —    |
| Sewing woman ... ..                | VI     | 1    | 1    |
| Electrician ... ..                 |        | 1    | 1    |
| „ ... ..                           |        | VII  | 1    |
| ADMINISTRATIVE.                    |        |      |      |
| Deputy Director of Stores ... ..   | IV     | 1    | 1    |
| Inspector of Stores ... ..         | V      | 1    | —    |
|                                    |        | 63   | 60   |

TABLE IX.—OFFICIALS AND EMPLOYEES PAID AGAINST CREDITS.

|   | Year 1923. | Year 1924. |
|---|------------|------------|
| <i>Passennngers Control.</i>                        |            |            |
| Medical Officers ... ..                             | 8          | 9          |
| Employees ... ..                                    | 18         | 15         |
| <i>Epidemic Credit.</i>                             |            |            |
| Medical Officers ... ..                             | 16         | 16         |
| <i>Ankylostoma Credit.</i>                          |            |            |
| Medical Officers ... ..                             | 13         | 17         |
| Employees ... ..                                    | 7          | 8          |
| <i>Maintenance of Lock Hospitals for Europeans.</i> |            |            |
| Medical Officer ... ..                              | 1          | 1          |
| Mowalida ... ..                                     | 1          | 1          |
| Employee ... ..                                     | 1          | 1          |

TABLE X.—HORS CADRE STAFF.

| CATEGORY.                      | 1923 | 1924  | CATEGORY.                  | 1923  | 1924  |
|--------------------------------|------|-------|----------------------------|-------|-------|
|                                |      |       | <i>Brought forward</i> ... | 991   | 1,050 |
| Chief Attendants... ..         | 126  | 141   | Cooks ... ..               | 60    | 69    |
| Male ,, ... ..                 | 526  | 543   | Printers ... ..            | 3     | 3     |
| Female ,, ... ..               | 213  | 233   | Overseers ... ..           | 54    | 55    |
| Moawens ... ..                 | 38   | 46    | Sanitary Barbers ... ..    | 47    | 85    |
| Laboratory Assistants... ..    | 37   | 36    | Mechanics ... ..           | 4     | 4     |
| Disinfectors, 1st class ... .. | 15   | 15    | Various categories ... ..  | 938   | 972   |
| Disinfectors ... ..            | 36   | 36    |                            |       |       |
| <i>Carried forward</i> ...     | 991  | 1,050 | TOTAL ... ..               | 2,097 | 2,238 |





CENTRAL MEDICAL COMMISSION.

1.—GENERAL.

During the year 1924 the Central Medical Commission issued 9,765 medical certificates, a decrease of 1,128 compared with the figures for 1923. This decrease is due to the restrictions contained in Finance Circular No. 11-1924 dated 27th February, 1924 prohibiting the creation of new posts in the Budget of 1924-1925, so that the proportion of candidates from the various Ministries and Departments presenting themselves for medical examination for admission to the service was less than the previous year. Out of the total of 9,765, 3,683 employees were examined for sick leave of which number 210 or 5·7 per cent applications were not granted. The number of applicants for retirement from the service on grounds of physical unfitness was 2,100 ; of these 160 or 7·6 per cent were found fit for further service.

The above figures are set out in detail in Tables Nos. 1 and 2.

The number of applicants examined for admission to the service was 3,662, and the failures amounted to 1938 or 52·9 per cent ; 25·3 per cent of these failed in the vision tests ; and 15·4 per cent failed on account of defects in the urinary system.

The number of medical certificates issued by the Central Medical Commission during the last five years are as follows :—

|      |     |     |     |     |     |     |     |        |
|------|-----|-----|-----|-----|-----|-----|-----|--------|
| 1920 | ... | ... | ... | ... | ... | ... | ... | 12,640 |
| 1921 | ... | ... | ... | ... | ... | ... | ... | 11,165 |
| 1922 | ... | ... | ... | ... | ... | ... | ... | 11,190 |
| 1923 | ... | ... | ... | ... | ... | ... | ... | 10,893 |
| 1924 | ... | ... | ... | ... | ... | ... | ... | 9,765  |

2.—PROVINCIAL MEDICAL COMMISSIONS.

As can be seen from table No. III, 12,450 medical certificates were issued by the Provincial Medical Boards during 1924. This shows an increase of 1448 as compared with 1923.

3.—NIZAMI GHAFIRS.

The number of Nizami Ghaffirs who were examined by the Medical Officers of the Markazes on admission to service and for extension of their voluntary period of service are as follows :—

| Object.                         | Fit.   | Unfit. | Total. |
|---------------------------------|--------|--------|--------|
| For admission to service ... .. | 10,197 | 6,515  | 16,712 |
| For extension of service... ..  | 89     | 27     | 116    |
| TOTAL ... ..                    | 10,286 | 6,542  | 16,828 |



TABLE I.—ANNUAL RETURN OF MEDICAL EXAMINATIONS MADE BY THE MEDICAL COMMISSION OF CAIRO DURING THE YEAR 1924.

| MONTHS.        | OBJECT OF MEDICAL EXAMINATION. |                 |          |                              |       |                           |                            |        | CAUSES OF REJECTION OF CANDIDATES APPLYING FOR ENTRY TO SERVICE. |                 |                     |                     |                 |                   |                               |        |
|----------------|--------------------------------|-----------------|----------|------------------------------|-------|---------------------------|----------------------------|--------|--|-----------------|---------------------|---------------------|-----------------|-------------------|-------------------------------|--------|
|                | NUMBER OF CASES.               |                 |          |                              |       |                           |                            |        | DISEASES OF  |                 |                     |                     |                 |                   |                               |        |
|                | For Admission to Service.      | For Sick Leave. |          | For Invaliding from Service. |       | For Determination of Age. | Other Examinations if any. | TOTAL. | Defective Vision.  | Urinary System. | Respiratory System. | Circulatory System. | Nervous System. | Digestive System. | Other Miscellaneous Diseases. | TOTAL. |
|                |                                | Granted.        | Refused. | Unfit.                       | Fit.  |                           |                            |        |  |                 |                     |                     |                 |                   |                               |        |
| January ...    | 391                            | 287             | 15       | 149                          | 14    | 20                        | 11                         | 887    | 110  | 53              | 8                   | 24                  | —               | —                 | 1                             | 196    |
| February ...   | 321                            | 269             | 14       | 144                          | 10    | 17                        | 6                          | 781    | 83   | 40              | 10                  | 27                  | —               | —                 | 3                             | 163    |
| March... ..    | 211                            | 289             | 16       | 145                          | 16    | 16                        | 12                         | 705    | 39   | 25              | 3                   | 13                  | —               | —                 | —                             | 80     |
| April ... ..   | 168                            | 241             | 14       | 164                          | 4     | 7                         | 5                          | 603    | 41   | 20              | 6                   | 17                  | —               | —                 | 1                             | 85     |
| May ... ..     | 176                            | 250             | 13       | 163                          | 10    | 8                         | 11                         | 631    | 61   | 13              | 6                   | 14                  | —               | —                 | —                             | 94     |
| June ... ..    | 143                            | 283             | 8        | 175                          | 9     | 6                         | 14                         | 638    | 40   | 23              | 3                   | 18                  | —               | —                 | 1                             | 85     |
| July ... ..    | 202                            | 297             | 18       | 162                          | 21    | 1                         | 6                          | 707    | 48   | 40              | 1                   | 29                  | —               | —                 | 3                             | 121    |
| August ... ..  | 401                            | 293             | 18       | 156                          | 8     | 6                         | 10                         | 892    | 92   | 54              | —                   | 53                  | —               | —                 | 3                             | 202    |
| September ...  | 668                            | 356             | 20       | 165                          | 22    | 24                        | 2                          | 1,257  | 144  | 86              | 1                   | 83                  | —               | —                 | 16                            | 330    |
| October ... .. | 325                            | 294             | 33       | 176                          | 20    | 5                         | 19                         | 872    | 75   | 69              | 1                   | 24                  | —               | —                 | 3                             | 172    |
| November ...   | 342                            | 330             | 26       | 166                          | 13    | 12                        | 21                         | 910    | 97   | 80              | 1                   | 43                  | —               | —                 | 3                             | 224    |
| December ...   | 314                            | 284             | 15       | 175                          | 13    | 12                        | 69                         | 882    | 96   | 60              | —                   | 29                  | —               | —                 | 1                             | 186    |
| TOTAL ... ..   | 3,662                          | 3,473           | 210      | 1,940                        | 160   | 134                       | 186                        | 9,765  | 926  | 563             | 40                  | 374                 | —               | —                 | 35                            | 1,938  |
|                |                                |                 | 3,683    |                              | 2,100 |                           |                            |        |  |                 |                     |                     |                 |                   |                               |        |

TABLE II.—MEDICAL EXAMINATIONS RE SICK LEAVES AND RETIREMENT ON GROUNDS OF PHYSICAL UNFITNESS MADE BY C. M. C. DURING 1924.

| MONTHS.          | SICK LEAVES.                |             |                    |            |        | INVALIDING.        |              |                      |               |        |
|------------------|-----------------------------|-------------|--------------------|------------|--------|--------------------|--------------|----------------------|---------------|--------|
|                  | GRANTED.                    |             | REFUSED.           |            | TOTAL. | VIDE CERTIFICATES. |              | BY CENTRAL MED. COM. |               | TOTAL. |
|                  | Vide Certificates approved. | By C. M. C. | Vide Certificates. | By C.M. C. |        | Approved.          | Disapproved. | Unfit.               | Fit for Duty. |        |
|                  |                             |             |                    |            |        |                    |              |                      |               |        |
| January ... ..   | 193                         | 94          | —                  | 15         | 302    | 127                | —            | 22                   | 14            | 163    |
| February ... ..  | 180                         | 89          | —                  | 14         | 283    | 124                | —            | 20                   | 10            | 154    |
| March ... ..     | 191                         | 98          | 1                  | 15         | 305    | 116                | 1            | 29                   | 15            | 161    |
| April ... ..     | 161                         | 80          | 4                  | 10         | 255    | 128                | —            | 36                   | 4             | 168    |
| May... ..        | 179                         | 71          | 3                  | 10         | 263    | 126                | —            | 37                   | 10            | 173    |
| June ... ..      | 197                         | 86          | —                  | 8          | 291    | 141                | —            | 34                   | 9             | 184    |
| July... ..       | 183                         | 114         | 6                  | 12         | 315    | 136                | 5            | 26                   | 16            | 183    |
| August ... ..    | 181                         | 112         | 2                  | 16         | 311    | 131                | —            | 25                   | 8             | 164    |
| September ... .. | 198                         | 158         | 1                  | 19         | 376    | 149                | —            | 16                   | 22            | 187    |
| October ... ..   | 176                         | 118         | 6                  | 27         | 327    | 153                | —            | 23                   | 20            | 196    |
| November ... ..  | 207                         | 123         | 9                  | 17         | 356    | 142                | —            | 24                   | 13            | 179    |
| December ... ..  | 177                         | 107         | 3                  | 12         | 299    | 146                | —            | 29                   | 13            | 188    |
| TOTAL ... ..     | 2,223                       | 1,250       | 35                 | 175        | 3,683  | 1,619              | 6            | 321                  | 154           | 2,100  |

TABLE III.—ANNUAL RETURN OF MEDICAL EXAMINATIONS MADE BY THE CENTRAL AND PROVINCIAL MEDICAL COMMISSIONS DURING THE YEAR 1924.

| COMMISSIONS.         |     | OBJECT OF MEDICAL EXAMINATION. |                 |          |                              |               |                           |                            |        |                   |                 | CAUSES OF REJECTION OF CANDIDATES APPLYING FOR ENTRY TO SERVICE. |                     |                 |                   |                               |        |  |
|----------------------|-----|--------------------------------|-----------------|----------|------------------------------|---------------|---------------------------|----------------------------|--------|-------------------|-----------------|--|---------------------|-----------------|-------------------|-------------------------------|--------|--|
|                      |     | NUMBER OF CASES.               |                 |          |                              |               |                           |                            |        |                   |                 | DISEASES OF  |                     |                 |                   |                               |        |  |
|                      |     | For Admission to Service.      | For Sick Leave. |          | For Invaliding from Service. |               | For Determination of Age. | Other Examinations if any. | TOTAL. | Defective Vision. | Urinary System. | Respiratory System.  | Circulatory System. | Nervous System. | Digestive System. | Other Miscellaneous Diseases. | TOTAL. |  |
|                      |     |                                | Granted.        | Refused. | Unfit.                       | Fit for Duty. |                           |                            |        |                   |                 |  |                     |                 |                   |                               |        |  |
| Central Medical Com. | ... | 3,662                          | 3,473           | 210      | 1,940                        | 160           | 134                       | 186                        | 9,765  | 926               | 563             | 40   | 374                 | —               | —                 | 35                            | 1,938  |  |
| Alexandria           | ... | 753                            | 972             | 144      | 220                          | 150           | 235                       | 15                         | 2,489  | 169               | 40              | 25   | 1                   | —               | —                 | 10                            | 245    |  |
| Suez                 | ... | 51                             | 39              | 5        | 44                           | 60            | 99                        | 2                          | 300    | 16                | 1               | —  | —                   | —               | —                 | 2                             | 19     |  |
| Port Said            | ... | 168                            | 59              | 5        | 83                           | 14            | 210                       | 2                          | 541    | 50                | 6               | 1  | —                   | —               | —                 | 6                             | 63     |  |
| Damietta             | ... | 19                             | 57              | —        | 6                            | 3             | 60                        | —                          | 145    | 4                 | 1               | —  | —                   | —               | —                 | —                             | 5      |  |
| Beheira              | ... | 260                            | 299             | 24       | 140                          | 55            | 80                        | 8                          | 866    | 50                | 22              | —  | —                   | —               | —                 | 7                             | 79     |  |
| Gharbiya             | ... | 200                            | 526             | 43       | 196                          | 71            | 40                        | 8                          | 1,084  | 74                | 9               | 1  | 1                   | —               | —                 | 3                             | 88     |  |
| Minûfiya             | ... | 192                            | 288             | 17       | 101                          | 47            | 17                        | 19                         | 681    | 58                | 19              | —  | —                   | —               | —                 | 6                             | 83     |  |
| Daqahliya            | ... | 191                            | 480             | 19       | 192                          | 95            | 21                        | 17                         | 1,015  | 67                | 8               | —  | —                   | —               | —                 | 1                             | 76     |  |
| Sharqiya             | ... | 180                            | 412             | 12       | 131                          | 54            | 13                        | 27                         | 829    | 59                | 11              | —  | 6                   | —               | —                 | —                             | 76     |  |
| Qalyûbiya            | ... | 143                            | 208             | 11       | 69                           | 26            | 23                        | 7                          | 487    | 30                | 11              | —  | 3                   | —               | —                 | —                             | 44     |  |
| Gîza                 | ... | 55                             | 298             | 3        | 93                           | 31            | 47                        | 3                          | 530    | 15                | 1               | —  | —                   | —               | —                 | —                             | 16     |  |
| Faiyûm               | ... | 77                             | 22              | 13       | 41                           | 30            | 15                        | 7                          | 408    | 27                | 13              | —  | 1                   | 1               | —                 | 3                             | 45     |  |
| Beni Suef            | ... | 47                             | 266             | 2        | 43                           | 56            | 28                        | 10                         | 452    | 22                | 1               | —  | —                   | —               | —                 | —                             | 23     |  |
| Minya                | ... | 287                            | 292             | 31       | 59                           | 38            | 68                        | 2                          | 777    | 84                | 15              | —  | —                   | —               | —                 | 3                             | 102    |  |
| Asyût                | ... | 144                            | 347             | 25       | 49                           | 32            | 17                        | 49                         | 663    | 55                | 3               | —  | 6                   | 1               | —                 | —                             | 65     |  |
| Girga                | ... | 134                            | 233             | 8        | 50                           | 22            | 25                        | 40                         | 512    | 42                | 2               | —  | 4                   | —               | —                 | —                             | 48     |  |
| Qena                 | ... | 152                            | 170             | 7        | 34                           | 22            | 40                        | 55                         | 480    | 39                | 8               | —  | —                   | —               | —                 | 4                             | 51     |  |
| Aswân                | ... | 49                             | 61              | 5        | 19                           | 8             | 20                        | 29                         | 191    | 11                | 7               | —  | 1                   | —               | —                 | —                             | 19     |  |
| TOTAL                |     | 6,764                          | 8,705           | 584      | 3,510                        | 974           | 1,192                     | 486                        | 22,215 | 1,798             | 741             | 67   | 397                 | 2               | —                 | 80                            | 3,085  |  |



TABLE IV.—ANNUAL RETURN OF MEDICAL EXAMINATIONS MADE BY THE CENTRAL MEDICAL COMMISSION AND THE PROVINCIAL MED. COMMISSIONS DURING THE YEAR 1924.

| MONTHS.   |        | OBJECT OF MEDICAL EXAMINATION. |                 |          |                              |               |                           |                            |        |                   |                 | CAUSES OF REJECTION OF CANDIDATES APPLYING FOR ENTRY TO SERVICE. |                     |                 |                   |                               |        |  |
|-----------|--------|--------------------------------|-----------------|----------|------------------------------|---------------|---------------------------|----------------------------|--------|-------------------|-----------------|--|---------------------|-----------------|-------------------|-------------------------------|--------|--|
|           |        | NUMBER OF CASES.               |                 |          |                              |               |                           |                            |        |                   |                 | DISEASES OF  |                     |                 |                   |                               |        |  |
|           |        | For Admission to Service.      | For Sick Leave. |          | For Invaliding from Service. |               | For Determination of Age. | Other Examinations if any. | TOTAL. | Defective Vision. | Urinary System. | Respiratory System.  | Circulatory System. | Nervous System. | Digestive System. | Other Miscellaneous Diseases. | TOTAL. |  |
|           |        |                                | Granted.        | Refused. | Unfit.                       | Fit for Duty. |                           |                            |        |                   |                 |  |                     |                 |                   |                               |        |  |
| January   | ... .. | 605                            | 761             | 48       | 262                          | 80            | 86                        | 29                         | 1,871  | 175               | 58              | 11   | 25                  | —               | —                 | 2                             | 271    |  |
| February  | ... .. | 532                            | 675             | 47       | 257                          | 47            | 104                       | 42                         | 1,704  | 139               | 43              | 10   | 29                  | —               | —                 | 3                             | 224    |  |
| March     | ... .. | 337                            | 690             | 41       | 254                          | 64            | 132                       | 45                         | 1,563  | 76                | 29              | 4  | 16                  | 1               | —                 | 3                             | 129    |  |
| April     | ... .. | 327                            | 598             | 38       | 282                          | 41            | 67                        | 46                         | 1,399  | 82                | 26              | 11   | 19                  | —               | —                 | 6                             | 144    |  |
| May       | ... .. | 420                            | 653             | 33       | 309                          | 94            | 83                        | 41                         | 1,633  | 131               | 22              | 9  | 15                  | —               | —                 | 3                             | 180    |  |
| June      | ... .. | 349                            | 762             | 33       | 318                          | 77            | 70                        | 38                         | 1,647  | 105               | 35              | 4  | 21                  | —               | —                 | 4                             | 169    |  |
| July      | ... .. | 377                            | 715             | 55       | 303                          | 85            | 141                       | 25                         | 1,701  | 98                | 59              | 2  | 29                  | —               | —                 | 7                             | 195    |  |
| August    | ... .. | 807                            | 850             | 45       | 300                          | 88            | 95                        | 33                         | 2,218  | 196               | 95              | 6  | 57                  | —               | —                 | 10                            | 364    |  |
| September | ... .. | 1,036                          | 828             | 69       | 296                          | 109           | 76                        | 23                         | 2,437  | 223               | 120             | 3  | 85                  | 1               | —                 | 21                            | 453    |  |
| October   | ... .. | 726                            | 749             | 74       | 331                          | 114           | 117                       | 42                         | 2,153  | 209               | 86              | 2  | 27                  | —               | —                 | 10                            | 334    |  |
| November  | ... .. | 649                            | 780             | 63       | 290                          | 95            | 125                       | 31                         | 2,033  | 191               | 96              | 2  | 44                  | —               | —                 | 4                             | 337    |  |
| December  | ... .. | 599                            | 644             | 38       | 308                          | 80            | 96                        | 91                         | 1,856  | 173               | 72              | 3  | 30                  | —               | —                 | 7                             | 285    |  |
| TOTAL     |        | 6,764                          | 8,705           | 584      | 3,510                        | 974           | 1,192                     | 486                        | 22,215 | 1,798             | 741             | 67   | 397                 | 2               | —                 | 80                            | 3,085  |  |

TABLE V.—NIZAMI GHAFÎRS EXAMINED DURING THE YEAR 1924 BY DISTRICT MEDICAL OFFICERS.

| MONTHS.          | For admission to service. |        |        | For extension of Voluntary Service. |        |        |
|------------------|---------------------------|--------|--------|-------------------------------------|--------|--------|
|                  | Fit.                      | Unfit. | Total. | Fit.                                | Unfit. | Total. |
| January... ..    | 771                       | 462    | 1,233  | 3                                   | 2      | 5      |
| February ... ..  | 848                       | 502    | 1,350  | 1                                   | —      | 1      |
| March ... ..     | 1,245                     | 687    | 1,932  | 5                                   | —      | 5      |
| April ... ..     | 852                       | 543    | 1,395  | 3                                   | —      | 3      |
| May ... ..       | 812                       | 515    | 1,327  | 1                                   | 1      | 2      |
| June ... ..      | 836                       | 589    | 1,425  | 27                                  | 6      | 33     |
| July ... ..      | 677                       | 472    | 1,149  | 5                                   | 8      | 13     |
| August ... ..    | 809                       | 617    | 1,426  | 14                                  | 3      | 17     |
| September ... .. | 866                       | 567    | 1,433  | 25                                  | 2      | 27     |
| October ... ..   | 721                       | 451    | 1,172  | 4                                   | 2      | 6      |
| November ... ..  | 717                       | 549    | 1,266  | 1                                   | 1      | 2      |
| December .. ..   | 1,043                     | 561    | 1,604  | —                                   | 2      | 2      |
| TOTAL ... ..     | 10,197                    | 6,515  | 16,712 | 89                                  | 27     | 116    |





## CENTRAL STORES.

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The work of the Central Stores consists of :—

1. Compilation of the Store's annual estimates, advertising for adjudications, orders and arranging for contracts.
2. Receiving articles from merchants.
3. Issuing supplies to all units of the Department : General, Ophthalmic and Infectious Diseases Hospitals and Public Health Offices etc. It also issues drugs to all Government Administrations, hospitals and dispensaries attached to the Provincial Councils, as well as some private hospitals.

The Central Stores also establish and equip Travelling Hospitals when necessity arises for them in connection with combating diseases in localities threatened by the spread of such diseases as the Ankylostoma and Bilharzia Travelling hospitals.

## GENERAL BUDGET.

The budgetary estimates of the Central Stores although having been carefully compiled in accordance with the rules laid down by the Stores' Regulations, yet at the end of the financial year, a considerable sum (L.E. 60,630) was found to have been economised. This is attributed to the exceptionally wide publicity given to the adjudications throughout the whole world. These adjudications were advertised through the Egyptian Legations and Consulates abroad and through Foreign Legations and Consulates in Egypt. As a result, a great number of tenders were received from various firms and factories ; and the Department benefited by the competition amongst these firms, especially in connection with the adjudications for Drugs and Surgical Instruments. Prices of articles of equipment have become less stable owing to the rise in price of cotton and other textiles.

The effective control on the issues to Departmental Units has resulted in a general economy.

A list, No. 1, showing sums economised is inserted herein after.

## CONTRACTS OFFICE.

The proper working of the Central Stores is mainly dependent on the efficiency of this Commercial Section, in which the following improvements were introduced in the course of the financial year :—

(a) Surgical Instruments were put up to public adjudication in accordance with instructions received from the Ministry of Finance. Specifications, comprising 600 items, were printed and distributed to Foreign Legations and Consulates in Egypt, Industrial and Commercial Department and to the Egyptian Legations in Europe and America. The well-known commercial concerns in Egypt and abroad were also approached for the same purpose. The results was that the Central Stores received a great number of really competitive tenders from various countries which have brought down the purchase price of these articles to a considerable extent.

Owing, however, to the lack of Egyptian Consulates in all countries to carry on the necessary work in connection with tenders, such as receiving deposits, signing contracts, summoning contractors before courts if necessary, and also to save time, a departure had to be made from the usual contract routine laid down by the Stores Regulations. The sanction of the Ministry of Finance was obtained and tenders were accepted from the manufacturers whose offers were the lowest. The result has in general been quite satisfactory, although in many cases delays in deliveries occurred.

(b) Supplies for sera and vaccines obtained formerly from a number of selected firms, were also put up for the first time to adjudication. The competition has been very keen and this has influenced prices considerably to the advantage of the Department.



(c) The Egyptian State Railways having notified this Department at the beginning of the financial year that they would not be able to supply Coal to the various Units of the Department Public Health as heretofore, the required quantities of coal were at once put up to public tender and three reasonable offers were accepted. This has not only caused an economy in prices, in handling and storage expenses, but has resulted in the Department obtaining a better quality of coal than that supplied through the State Railways Administration, and in eliminating complaints from Departmental Units regarding the quality of coal so supplied.

(d) Formerly, the adjudication for the supply of stores' articles were made in April of each year on completion of the annual stock-taking. The quantities put up to adjudication were compiled on the basis of the preceding three years' average issues, less stock on March 31. The adjudications are, as a rule, approved in January of the next year. The figures obtained by the above system, although theoretically correct, did not in any way represent the actual requirements of the Department. For this reason, it was decided that the quantities to be adjudicated for should be verified before being put up for public tender with a view to cancelling or reducing such articles as circumstances called for. It has thus been possible to effect considerable economics by placing contracts for the supplies actually required, which is in harmony with the provisions of the Stores Regulations.

(e) Standard samples for permanent articles, of which no samples existed in Central Stores, were established and several old standard samples have been replaced by others of a better quality, for instance as in the case of 2nd Class bed covers, linen bed covers, etc.

The new range of standard samples had to be provided because some of the old standard patterns which were selected many years ago were for qualities no longer obtainable on the local market. The merchants could not, therefore, put in a tender unless the adjudication was for a quantity large enough to justify their ordering its manufacture in Europe.

It was therefore thought advisable to effect a gradual change in the standard patterns.

(f) Pedal bicycles were formerly repaired by the Scavenging and Watering Services. Having ascertained that these repairs cost too much, it was thought advisable to have them done at the Central Tools and Stores workshops. Spare parts required for repairing were, therefore, bought and these repairs are now carried out more economically and expeditiously.

It was observed that the Stores' Regulations provide rules and printed forms for almost every operation in connection with adding and striking off charge of stores and equipment, but nothing is mentioned however in these Regulations as to the question of controlling purchases and supplies, and to enable the directing staff to exercise such a control efficiently, the following forms and books have been devised and introduced :—

- (1) Special form for the control of Orders.
- (2) Ledger for recording deliveries under contracts.
- (3) Ledger recording all fines inflicted on contractors and showing difference in prices collected from them.
- (4) Forms showing losses suffered by the Department through delays on the part of contractors to effect deliveries in time.

These records will be printed in due course.

## STORES BUILDINGS.

The work of the Central Stores having increased in proportion to the general expansion of the Department of Public Health and the creation of new branches thereof, the present stores accommodation is no longer sufficient for the stock required to meet the needs of the various branches. Store rooms are over-crowded, which renders very difficult the work of receipt and issue of supplies. The extension of Stores Buildings has therefore become an urgent necessity. The following is a list of the new branches :—

- |                         |        |                                  |
|-------------------------|--------|----------------------------------|
| 1. General Hospital...  | ... .. | <i>Tahta.</i>                    |
| 2. Ophthalmic Hospitals | ... .. | <i>Menouf and Suez.</i>          |
| 3. Fever Hospitals      | ... .. | <i>Mansûra, Asyût, and Qena.</i> |



3. Ankylostoma Hospitals ... .. *Dessouk, Tura, and, Saft el Enab.*  
 1. Dispensary under Menûfiya Provincial Council ... .. *Menshat Sabri.*  
 1. Hospital under Menûfiya Provincial Council ... .. *Tala.*  
 1. Health Office ... .. *Der, 2nd Section.*

### TRANSACTIONS WITH COMMERCIAL FIRMS.

The Central Stores has placed in the course of the Financial Year :—

- 260 Contracts.  
 1,196 Local Orders.  
 192 Foreign Orders.

Disputes of a serious nature with suppliers did not occur, However, in some cases, purchases had to be made against Contractors in default if direct harm ensued by reason of their failure to comply with their contracts, and fines had to be inflicted on others for delays in deliveries if these delays caused harm indirectly to the Department, in accordance with the Stores Regulations.

A few cases occurred where suppliers complained of purchases having been made against them, on the plea that they had made mistakes in pricing their tenders, but on referring these complaints to the contentieux, the latter recommended the collection of such difference in prices.

On the whole nothing occurred between the Central Stores and contractors, necessitating an action before the courts, as it was endeavoured in every case to get the dispute settled by argument and application of the conditions of the contract.

TABLE I.—LIST OF ECONOMIES ON 1924-1925 BUDGET.

| Article No.                                     | Credit Granted. | Expenditure. | Economies. |
|---|-----------------|--------------|------------|
|   | L.E.            | L.E.         | L E.       |
| Article 30.<br>Ration ... ..                    | 73,148          | 61,292       | 11,856     |
| Article XI.<br>Furnitures General ...           | 134,319         | 86,794       | 47,525     |
| Article XII.<br>Uniforms ... ..                 | 358             | 217          | 141        |
| Article XIII.<br>General Repairs ... ..         | 2,920           | 2,272        | 648        |
| Art. 25 New Works:—<br>Port Said Fever Hospital | 173             | 143          | 30         |
| Mansora Fever Hospital                          | 614             | 479          | 135        |
| Giza" Ophth." Laboratory                        | 1,058           | 899          | 159        |
|   | 733             | 597          | 136        |
| Total ... ..                                    | 213,323         | 152,693      | 60,630     |

TABLE II.—LIST SHOWING RECEIPT AND ISSUE VOUCHERS MADE DURING YEAR 1924-1925.

| NAME OF STORES.             | Receipt Vouchers. | Issue Vouchers Total. | Issue Vouchers on Payment. | Issue Vouchers Ordinary. |
|-----------------------------|-------------------|-----------------------|----------------------------|--------------------------|
| Permanent ... ..            | 1,117             | 4,302                 | 310                        | 3,992                    |
| Surgical Instruments ... .. | 720               | 4,354                 | 628                        | 3,726                    |
| Drugs ... ..                | 1,991             | 7,984                 | 1,101                      | 6,883                    |
| Consumable ... ..           | 3,600             | 9,399                 | 324                        | 9,075                    |
| Faggala ... ..              | 229               | 1,725                 | 343                        | 1,382                    |
| Kohna ... ..                | 3,972             | 6,529                 | 785                        | 5,744                    |
| Forage ... ..               | 150               | 165                   | —                          | 165                      |
| Bicycles ... ..             | 146               | 947                   | —                          | 947                      |
| Laboratories ... ..         | 21                | 25                    | —                          | 25                       |
|                             | 11,946            | 35,430                | 3,491                      | 31,939                   |



TABLE III.—LIST SHOWING INWARD AND CUTWARD LETTERS, ORDERS, AND PARCELS ETC.

| Outward letters and<br>Circulars Arabic. | Inward letters<br>Arabic. | Outward letters<br>English. | Inward letters<br>English. | Local Orders. | Foreign Orders. | Repair Orders. | Outward Parcels. |             |        | Inward Parcels. |             |        | Warrants. |
|--|---------------------------|-----------------------------|----------------------------|---------------|-----------------|----------------|------------------|-------------|--------|-----------------|-------------|--------|-----------|
|  |                           |                             |                            |               |                 |                | Post.            | Passengers. | Goods. | Post.           | Passengers. | Goods. |           |
| 23,210                                   | 31,505                    | 524                         | 3,095                      | 1,196         | 192             | 597            | 8,338            | 2,422       | 20,616 | 1,960           | 520         | 17,426 | 1,904     |

N.B. This is besides forms 111, 113, 186, 187, 191 and P.H.D/3.

TABLE IV.—WORKSHOPS.

BLACKSMITHS SHOP.  
(New.)

| No. | Article.                      | No. | Article.                         |
|-----|-------------------------------|-----|----------------------------------|
| 398 | Splints, various.             | 19  | Stands for shelves.              |
| 6   | Tables, bedstead.             | 4   | Apparatus, breagage, leg.        |
| 10  | Top for irrigator.            | 2   | Shelves copper, dressing table.  |
| 1   | Holders, iron for screen.     | 44  | Pieces, lead for breakage.       |
| 20  | Pokers.                       | 12  | Nails, iron for holders.         |
| 70  | Clips for bedsteads.          | 2   | Handles for Cupboards.           |
| 6   | Shovels for heating stove.    | 24  | Tops, iron for stretchers.       |
| 1   | Holder for heating stove.     | 1   | Chimny, I.S.                     |
| 3   | Tongs, coper.                 | 1   | Stand, revolving, for shelves    |
| 16  | Operation tables.             | 17  | Latches, iron for curtain.       |
| 298 | Notice Boards, I.S.           | 7   | Instruments, Cupboard.           |
| 2   | Notice Boards, coper.         | 41  | Bed-rests.                       |
| 4   | Stamps iron.                  | 142 | Wires for mattresses.            |
| 2   | Drums.                        | 15  | Nails, screw.                    |
| 6   | Disinfecting machines.        | 2   | Tanks.                           |
| 20  | Stands, iron.                 | 62  | Foot. iron for splint.           |
| 40  | Iron pegs bent.               | 6   | Cages for sponge.                |
| 6   | Examination tables.           | 6   | Instruments tables.              |
| 37  | Stands for basins.            | 2   | Keys for copying print.          |
| 1   | Handle for bandages machine.  | 37  | Forks, iron.                     |
| 2   | Baths, child.                 | 30  | Unions, iron for tents.          |
| 1   | Stand for zeer.               | 12  | Clips for sterilizers.           |
| 4   | Holders for operation tables. | 8   | Brackets, iron.                  |
| 16  | Chairs revolving iron.        | 20  | Mattresses, wire.                |
| 16  | Pieces, iron.                 | 6   | Tubes, copper.                   |
| 554 | Angles, iron.                 | 1   | Handle for bandage machine.      |
| 1   | Breast dust, donkey.          | 2   | Holders for funnel, large.       |
| 6   | Holders for towels.           | 10  | Stands, iron for bath.           |
| 6   | Baths, electric.              | 18  | Iron pieces, for ice-chests.     |
| 8   | Cradles for fractions.        | 3   | Holders for barrel, dirty water. |
| 13  | Holders for funnels, small.   | 1   | Top for cart.                    |
| 7   | Triples, iron.                | 2   | Holders for dinner carrier.      |
| 21  | Chairs, operation.            | 3   | Stands for instruments.          |
| 1   | Trolley, dressing.            | 11  | Stands for irrigators.           |
| 6   | Fenders for bandage machine.  | 300 | Clips for diet boards.           |
| 6   | Pails.                        | 1   | Basin for stone sharpening.      |
| 750 | Nails for tents.              | 10  | Water machine.                   |
| 5   | Hinges, iron.                 | 36  | Dressing tables.                 |
| 4   | Shelves, I.S.                 | 1   | Stamp, copper.                   |
| 16  | Haspes and staples.           | 10  | Nuts, copper for autoclave.      |

BLACKSMITHS SHOP.  
(Repairs.)

|     |                         |       |                              |
|-----|-------------------------|-------|------------------------------|
| 6   | Chairs, revolving.      | 9     | Mowers machine.              |
| 80  | Holders, iron.          | 3     | Hatches, iron for cupboards. |
| 2   | Stands for instruments. | 1,268 | Bedsteads, different types.  |
| 2   | Disinfecting machines.  | 1     | Top for discs machine.       |
| 133 | Drums.                  | 32    | Trolleys, operation.         |
| 5   | Dressing tables.        | 21    | Mencing machine.             |
| 24  | Wheels trolleys.        | 1     | Boiler, copper.              |
| 48  | Wheels for carts.       | 3     | Belts, iron.                 |
| 43  | Bedsteads, travelling.  | 62    | Stands for basin.            |
| 32  | Tables travelling.      | 54    | Iron, pieces.                |
| 1   | Door repair.            | 21    | Scrapers, iron for door.     |
|     |                         | 10    | Anvils.                      |

BLACKSMITHS SHOP (contd.).  
(Repairs.)

| No. | Article.                              | No. | Article.                             |
|-----|---------------------------------------|-----|--------------------------------------|
| 3   | Chairs. revolving.                    | 6   | Chares, wooden.                      |
| 8   | Filters, water, wall.                 | 7   | Cupboards.                           |
| 378 | Locks.                                | 5   | Stretchers with wheels.              |
| 90  | Holder, iron.                         | 3   | Mills, coffee grinding.              |
| 12  | Pipes, iron.                          | 115 | Nails, iron for tents.               |
| 1   | Wheel for turning machine.            | 489 | Wires for mattresses.                |
| 3   | Hose, canvas, fire.                   | 16  | Forks. iron.                         |
| 176 | Stand copper.                         | 3   | Fan for forge.                       |
| 61  | Keys.                                 | 7   | Cradles.                             |
| 17  | Operation tables.                     | 2   | Stools, operation.                   |
| 7   | Brackets, iron.                       | 12  | Dressing tables.                     |
| 25  | Perferators.                          | 2   | Froges, portable,                    |
| 51  | Hinges, iron.                         | 2   | Blinds sun.                          |
| 1   | Boiler I.S.                           | 31  | Shovels.                             |
| 16  | Wheels, stretchers.                   | 10  | Tables iron.                         |
| 3   | Rammers.                              | 1   | Table, Calf.                         |
| 7   | Springs for window.                   | 2   | Stoves.                              |
| 3   | Handle for machine of grinding beans. | 3   | Tanks.                               |
| 16  | Nails, screw.                         | 4   | Stand irrigator.                     |
| 4   | Angles, iron.                         | 10  | Pans dust.                           |
| 1   | Key for wafer machine.                | 9   | Carts various.                       |
| 43  | Mattresses, wire.                     | 1   | Chair back for disinfecting machine. |
| 1   | Lath, iron.                           | 1   | Boiler.                              |
| 1   | Wooden piece, balancing, bedsteads    | 5   | Pipes.                               |
| 48  | Pieces, wood, turning for carts.      | 4   | Arms, iron.                          |
| 3   | Bedsteads. child.                     | 7   | Cases, leather.                      |
| 5   | Bags, leather.                        | 5   | Typewriters.                         |
| 5   | Cradles, for fractions.               | 3   | Pincer, carpenter.                   |
| 2   | Mangling machine.                     | 1   | Catcher, rats.                       |
| 15  | Fasses.                               | 1   | Axe.                                 |
| 1   | Handle for mazout pump.               | 2   | Sewing machine.                      |
| 14  | Filters, travelling.                  | 1   | Handle, door.                        |
| 7   | Blottings.                            | 15  | Wheels, trolleys.                    |
| 3   | Cupboards, files.                     | 2   | Chimneys.                            |
| 6   | Boxes. coal.                          | 4   | Nails, copper.                       |
| 1   | Table bedsteads.                      | 4   | Boxes, coal.                         |
| 2   | Arm-rests.                            | 6   | Chairs, iron.                        |
| 22  | Tops bedsteads.                       | 2   | Chairs, back rest.                   |
| 1   | Chair, sick, with wheels.             | 2   | Turning machines, fitting.           |
| 1   | Chairs, patients.                     | 1   | Cover I.G.                           |
| 21  | Lathes, iron.                         | 6   | Bandages machine.                    |
| 133 | Splints.                              | 21  | Iron pegs bent.                      |
| 7   | Stand for ironing pieces.             | 4   | Stand, zeer.                         |
| 8   | Pieces pressing for wafer machine.    | 30  | Forks iron.                          |
| 7   | Copying Print.                        | 17  | Washers iron.                        |
| 7   | Ice-Chests.                           | 1   | Ladder double.                       |
| 4   | Pumps, water.                         |     |                                      |

TINSMITHS SHOP.  
(New.)

|        |                                    |   |                                  |
|--------|------------------------------------|---|----------------------------------|
| 11,550 | Glass pans for microscope.         | 1 | Strainer for basin.              |
| 1,702  | Tins for ointment.                 | 1 | Cupboard for basin.              |
| 1,000  | Covers tin for tubes.              | 1 | Can, water for stove.            |
| 280    | Strainers, tin.                    | 4 | Boxes for diet, ophthalmic.      |
| 60     | Boxes for blood, zinc.             | 4 | Baths, bed.                      |
| 59     | Eye-Shields.                       | 4 | Tables cover with zinc.          |
| 50     | Covers, zinc, for pots.            | 3 | Baths, zinc.                     |
| 27     | Boxes, zinc, with cover.           | 3 | Pails, copper, disinfecting.     |
| 20     | Copper pieces.                     | 3 | Moulds, tin, sweet.              |
| 15     | Covers tin for pannikins.          | 3 | Baths, zinc, for amm.            |
| 12     | Strainers, zinc for basin.         | 2 | Traps.                           |
| 10     | Boxes, Cholera.                    | 2 | Shovels, copper.                 |
| 9      | Drawers, zinc, for cupboard.       | 2 | Stamp, zinc.                     |
| 9      | Boxes zinc dressing.               | 2 | Boxes, zinc for post.            |
| 7      | Strainers for straining apparatus. | 2 | Fenders, iron, for Primus stove. |
| 6      | Pails for W.C.                     | 2 | Cover, wooden, lined with zinc.  |
| 5      | Tables, lining with zinc.          | 2 | Funnels, copper.                 |
| 5      | Lamps, tin, for steam apparatus.   | 2 | Covers for pans, copper.         |
| 5      | Basins zinc.                       | 2 | Lamps for vaccine apparatus.     |
| 1      | Basin for stove.                   | 2 | Sterilizers for instruments.     |



TINSMITHS SHOP (contd.).  
(New.)

| No. | Article.                          | No. | Article.                       |
|-----|-----------------------------------|-----|--------------------------------|
| 2   | Lamps for disinfection apparatus. | 1   | Can, zinc, for washing face.   |
| 2   | Cages, iron, for pegs.            | 1   | Cover zinc for sewing machine. |
| 2   | Tins, 40 × 40 cms.                | 1   | Tin for globes.                |
| 2   | Funnels, zinc.                    | 1   | Box, copper.                   |
| 1   | Bath, copper, paraffin.           | 1   | Ice-chest zinc large.          |
| 1   | Board zinc, for instrument table. | 1   | Cover zinc, for aphthamoscope. |
| 1   | Stand, zeer, iron legs.           |     |                                |

TINSMITHS SHOPS.  
(Repairs.)

|       |                            |    |                                 |
|-------|----------------------------|----|---------------------------------|
| 3,981 | Tins, Soldering.           | 11 | Cans, zinc, W.C.                |
| 732   | Poles for beds.            | 11 | Cans, tin, spirit.              |
| 400   | Glass panes, cutting.      | 11 | Mugs, water.                    |
| 365   | Traps.                     | 10 | Stamps, copper.                 |
| 314   | Primus, Stoves.            | 10 | Bath, zinc, child.              |
| 266   | Boards for diet.           | 10 | Sieves.                         |
| 265   | Pannikins.                 | 12 | Strainers, tin, food.           |
| 229   | Boilers, zinc.             | 9  | Pipes for disinfection.         |
| 189   | Spirit lamps.              | 9  | Basins zinc.                    |
| 192   | Glass panes, fitting.      | 9  | Teshts, copper.                 |
| 145   | Strainers, for irrigators. | 9  | Cans, tin, coffee.              |
| 139   | Irrigator for garden.      | 8  | Covers for W.C.                 |
| 123   | Pails, I.G.                | 8  | Spoons, for soup.               |
| 100   | Cans, tin, milk.           | 7  | Trays.                          |
| 80    | Disinfecting machines.     | 6  | Pressers, potatoes.             |
| 80    | Pipes, I.G.                | 5  | Lamps, primus 6 burners.        |
| 76    | Boards, tin (patient).     | 6  | Boilers, I.G. with cover.       |
| 66    | Spirit lamps, table.       | 4  | Bottles alluminum.              |
| 54    | Candles stick with spring. | 4  | Covers for pan, copper.         |
| 60    | Lanterns Hospital type.    | 3  | Boilers, copper square.         |
| 45    | Cases zinc for fish.       | 3  | Lamps, primus, 4 burners.       |
| 41    | Lamps brass, hpl ; type.   | 3  | Baths. large.                   |
| 40    | Heating stoves, paraffin.  | 3  | Lamps, monopole.                |
| 37    | Pans. brazed, steel.       | 3  | Pans.                           |
| 34    | Pans, steel with cover.    | 2  | Lamps, primus, 3 burners.       |
| 33    | Ice-chest.                 | 2  | Lamps, primus, 2 burners.       |
| 32    | Lamps, Heuricane.          | 2  | Stands for formaline apparatus. |
| 31    | Tins.                      | 2  | Barrels, glass, filter.         |
| 30    | Lamps, electric, long.     | 2  | Funnels, I.G.                   |
| 27    | Ladles.                    | 2  | Filters.                        |
| 25    | Stamps, I.R.               | 2  | Extinguishing machine.          |
| 21    | Lamps, paraffin.           | 2  | Boilers, steel, fish.           |
| 20    | Pans Copper.               | 2  | Cans, ironer.                   |
| 18    | Boxes for ice.             | 2  | Bottoms, wooden, for W.C.       |
| 16    | Boxes for blood samples.   | 1  | Strainer for irrigator, garden. |
| 15    | Tanks, formaline.          | 1  | Strainer, copper.               |
| 15    | Pails, W.C.                | 1  | Stoll W.C.                      |
| 14    | Heating stove spirit.      | 1  | Stove, copper.                  |
| 13    | Baths, copper.             | 3  | Jugs, copper, washing.          |
| 12    | Boxes, zinc, dressing.     | 1  | Safe, meat, wire.               |
| 12    | Drums disinfecting.        | 3  | Spirit Lamps, Tin.              |
| 11    | Tank, amonia.              | 14 | Boards Tion for tables Patient. |

TENTMAKERS SHOP.  
(Repairs).

|    |  |     |  |
|----|--|-----|--|
| 14 | Outer covers, inspector, tents, small.   | 128 | Latrine screen.                            |
| 6  | Inspector's Tent, 1st. class, small.     | 24  | Outer Cover Tents, 1 pole.                 |
| 15 | Tent, stable, large.                     | 138 | Tents, patient, 2 poles,                   |
| 16 | Wall side, tents stable large.           | 117 | Outer covers, tents patient, 2 poles.      |
| 11 | Outer covers, tent, inspector, small.    | 223 | Valises, tents.                            |
| 9  | Outer covers, operation, tents.          | 98  | Tents, patient, 1 pole.                    |
| 15 | Tents, doctors, 2nd. class.              | 22  | Wall side, for tent, 2 poles, new pattern. |
| 14 | Outer covers, tents, doctors, 2nd class. | 4   | Carpets, Persian.                          |
| 10 | Wall side, tents, operation.             | 8   | Straps, leather, for calves.               |
| 9  | Tents, stable, small.                    | 3   | Bags, calico for post.                     |
| 12 | Latrine, tents, Indian.                  | 255 | Kilos, cotton, cleaning.                   |
| 1  | Blind, sun.                              | 6   | Bedsteads, portable.                       |

TENTMAKERS SHOP (contd.).  
(Repairs).

| No. | Article.                          | No. | Article.                                |
|-----|-----------------------------------|-----|---|
| 5   | Boxes, wooden for fish.           | 88  | Stools, canvas, small.                  |
| 13  | Bottles Alomonium, water.         | 1   | Measure, tape, in case.                 |
| 67  | Cases, mattresses, crin vegetal.  | 8   | Tandas, calico.                         |
| 4   | Rugs, Hegazi.                     | 1   | Forge, blacksmiths.                     |
| 25  | Carpets, Leef.                    | 102 | Stretchers, wood.                       |
| 1   | Gloves, leather.                  | 11  | Sacks, tibbn.                           |
| 7   | Baskets, for paper.               | 1   | Pail, calico.                           |
| 2   | Side, cover, calico, for launch.  | 2   | Bags, calico for knives.                |
| 8   | Nets for fish.                    | 2   | Holders for legs of operation table.    |
| 168 | Mattresses, cotton.               | 5   | Stretchers. Hospital type.              |
| 116 | Pillows, cotton, long.            | 1   | Head, rest.                             |
| 19  | Bedsteads, portable, iron legs.   | 12  | Chairs, upholstered.                    |
| 6   | Bellows, foot.                    | 1   | Sack for bed, portable.                 |
| 93  | Pillows, crin végétal.            | 1   | Cover, calico, for sofa.                |
| 199 | Mattresses, crin végétal.         | 33  | Cushions, cotton, for chairs.           |
| 4   | Detachable door, tents, table.    | 1   | Stretcher, patient                      |
| 2   | Tents, operation.                 | 498 | Canvas for bedsteads portable.          |
| 4   | Skins, leather for sakka.         | 6   | Sheds, calico.                          |
| 73  | Sacks, disinfection.              | 4   | Basket, for correspondence.             |
| 1   | Tent, 3 poles.                    | 2   | Pieces of calico for X-Ray.             |
| 13  | Sacks, pegs.                      | 5   | Covers, kohna for roof.                 |
| 1   | Harness for donkey, single.       | 36  | Maourias, for repairing tents at units. |
| 1   | Saddle, donkey.                   | 12  | Bags, packing.                          |
| 22  | Bags; leather, correspondence.    | 24  | Stools, travelling, large.              |
| 1   | Splint, special.                  | 13  | Wall sides, tent, stable, small.        |
| 2   | Stretcher, complete, with wheels. |     |   |

TENTMAKERS SHOP.  
(New.)

|     |   |    |  |
|-----|---|----|--|
| 300 | Pillows, crin végétal.                    | 2  | Brushes for cleaning floor.                |
| 200 | Mattresses, crin végétal.                 | 51 | Curtains, various.                         |
| 1   | Bandage, canvas for horse.                | 1  | Canvas, bedstead, portable.                |
| 5   | Covers for operation table.               | 7  | Splints, special.                          |
| 5   | Covers for dressing table.                | 26 | Cushions, cotton for Asyût Chairs, seat.   |
| 3   | Mattresses for Heurica examination table. | 30 | Covers, felt for heating stove.            |
| 10  | Pillows, leather, for operation table.    | 38 | Cushions, cotton for Asyût Chairs back.    |
| 12  | Stretcher for operation room.             | 24 | Straps, leather, centrifuge.               |
| 30  | Valises for poles for tents, 2nd. class.  | 15 | Mattresses, cotton.                        |
| 60  | Cushions for chairs.                      | 8  | Straps, leather for calves.                |
| 4   | Cushions for bath bedstead.               | 1  | Sack, packing patient tient, 2 poles, N.P. |
| 9   | Tandas, calico, different kinds.          | 20 | Bags, calico for knives.                   |
| 21  | Pillows, cotton, long.                    | 5  | Pillows, small for sofa.                   |

MAMOURIAS.

| Object.  | Object.                                       |
|--|---|
| Delegating Painters for Qalyûbiya Health Inspectorate. | Delegating Painters for Helwân Health Office. |
| " " " Minya Hospital.                                  | " " " Kasr-El-Aini Hospital.                  |
| " " " Asyût Bandar Health.                             | " " " (6 mamorias).                           |
| " " " Mansûra Hospital.                                | " " " Boulak Heath Office. J.                 |
| " " " Asyût Health Office.                             | " " " Mehalla-El-Bubra Oph.                   |
| " " " Chubra Health Office.                            | " " " Hospital.                               |
| " " " Qalyûb Hospital.                                 | " " " Rod-El-Farag Ophthalmic                 |
| " " " Gharbiya Health Inspectorate.                    | " " " Hospital.                               |
| " " " Sohâg Hospital.                                  | " " " Hod-El-Marsoud Hospital                 |
| " " " Faiyûm Ophthalmic Hos-                           | " " " (twice).                                |
| " " " pital.   | " " " Permanent Stores, at C.S.               |
| " " " Asyût Ophthalmic Hos-                            | " " " for numbering clothes.                  |
| " " " pital.   | " " " Putting addresses and                   |
| " " " Bab-El-Sha'ria Health Of-                        | " " " serial numbers on Mah-                  |
| " " " fice.  | " " " mal's Parcels.                          |



PAINTERS SHOP.

| No. | Article.                                      | No. | Article.                              |
|-----|---|-----|---------------------------------------|
| 68  | Tables, wood.                                 | 9   | Baths and basins. I.G.                |
| 116 | Tables, iron.                                 | 7   | Stand, hole.                          |
| 584 | Chairs, wood.                                 | 8   | Pails.                                |
| 37  | Chairs, iron.                                 | 56  | Covers, zinc.                         |
| 128 | Shelves and stands, wood.                     | 11  | Heating stoves.                       |
| 50  | Forms, wood.                                  | 85  | Mattresses, wire.                     |
| 361 | Boards, tin.                                  | 4   | Mirrors.                              |
| 31  | Screens, wood.                                | 9   | Blottings.                            |
| 41  | Lantern.                                      | 8   | Perforators.                          |
| 27  | Ice-Chests.                                   | 2   | Tops, iron.                           |
| 35  | Boxes, iron.                                  | 4   | Arm-rests.                            |
| 61  | Tables, office.                               | 5   | Bed, sides for bedsteads.             |
| 65  | Cupboards, wood.                              | 4   | Racks.                                |
| 11  | Cupboard, iron.                               | 20  | Wooden, pieces for bedsteads.         |
| 27  | Gallabias, stamping.                          | 4   | Trays, wooden.                        |
| 309 | Notice, Boards.                               | 19  | Shelves, I.G.                         |
| 275 | Bedsteads.                                    | 4   | Doors.                                |
| 65  | Frames.                                       | 1   | Scraper, wood.                        |
| 32  | Lamps.  | 6   | Copying print.                        |
| 35  | Mincing, mawers and numbering machine.        | 6   | Filter.                               |
| 40  | Tables. I.G.                                  | 1   | Floor, room.                          |
| 50  | Baskets for paper.                            | 19  | Bottles, drugs.                       |
| 673 | Splints.                                      | 44  | Bed, rests.                           |
| 55  | Carts.  | 15  | Stretchers.                           |
| 15  | Electric Baths.                               | 9   | Tanks.                                |
| 4   | Apparatus for breakage.                       | 5   | Jugs, tin.                            |
| 2   | Whistle, trees, earriage.                     | 7   | Bicycles.                             |
| 7   | Cases for scalpels.                           | 5   | Drums.                                |
| 620 | Boxes, wood.                                  | 1   | Wooden pattern for Hospital Building. |
| 685 | Inside, tyres for bicycles, marking.          | 14  | Legs, for table, ophthalmic.          |
| 110 | Stands and Holders, iron.                     | 2   | Tables, Pharmacy.                     |
| 9   | Ladders.                                      | 3   | Pumps.                                |
| 2   | Stoves.                                       | 1   | Chest, drawer.                        |
| 13  | Brushes for floor.                            | 4   | Sheads.                               |
| 13  | Boards, wood.                                 | 1   | Pole for flag.                        |
| 2   | Buffer.                                       | 1   | Tonda, wood.                          |
| 2   | Floors, office.                               | 10  | Shovels.                              |
| 30  | Cages for fractions, rabbits and glass panes. | 1   | Safe, meat.                           |
| 16  | Scrapers, iron.                               | 1   | Mill, coffee.                         |

CARPENTERS SHOP.

(Repairs).

|       |                    |    |                         |
|-------|--------------------|----|-------------------------|
| 908   | Cases, wood.       | 13 | Shovels.                |
| 647   | Chairs.            | 12 | Hammers.                |
| 522   | Boxes.             | 11 | Shelves                 |
| 496   | Trestles.          | 11 | Ladders.                |
| 237   | Poles.             | 10 | Knives.                 |
| 169   | Boards, wood.      | 9  | Stools. W.C ?           |
| 101   | Mallets.           | 9  | Holders.                |
| 94    | Stretchers.        | 7  | Blottings.              |
| 66    | Tables.            | 6  | Cages.                  |
| 55    | Bedsteads.         | 6  | Scythe.                 |
| 59    | Tables, office.    | 5  | Rulers.                 |
| 58    | Frames, notice.    | 5  | Forks.                  |
| 50    | Cupboards.         | 4  | Sofas.                  |
| 14    | Bed rests.         | 4  | Tables, Towlet.         |
| 44    | Baskets, wooden.   | 4  | Racks.                  |
| 37    | Forms.             | 4  | Chisles.                |
| 31    | Screens.           | 4  | Coves, lined with zinc. |
| 28    | Ice Chests.        | 5  | Blinds sun.             |
| 27    | Choppers.          | 3  | Sieves.                 |
| 21    | Brushes.           | 3  | Scissors.               |
| 2     | Stands for fan.    | 3  | Bufoa.                  |
| 20    | Logs, wood.        | 2  | Stands for telephone.   |
| 19    | Carts.             | 2  | Doors.                  |
| 15    | Fasses.            | 2  | Filter.                 |
| 14    | Notice boards.     | 1  | Rammer.                 |
| 13    | Electric Baths.    | 1  | Perferator.             |
| 320   | Packing boxes.     | 1  | Window.                 |
| 1,200 | Post boxes, small. | 1  | Adze.                   |

CARPENTERS SHOP (*contd.*).  
(Repairs).

| No.   | Article.            | No. | Article.             |
|-------|---------------------|-----|----------------------|
| 1     | Bag.                | 5   | Stands for bicycles. |
| 1     | Machine.            | 3   | Poles for flag.      |
| 1     | Tray.               | 3   | Benches.             |
|       |                     | 6   | Stretchers.          |
|       | <i>New Works :—</i> | 2   | Stand for fan.       |
| 1,287 | Splints.            | 1   | Ladder.              |
| 15    | Cupboards.          | 1   | Ice chest.           |
| 21    | Frames for notice.  | 6   | Mats, wood.          |
| 672   | Boxes.              | 1   | Shead.               |
| 6     | Holders for pails.  | 20  | Logs, wood.          |
| 8     | Shelves.            | 40  | Bed rests.           |
| 5     | Tables.             | 40  | Stands for tubes.    |

SURGICAL INSTRUMENTS.  
(Repairs)

|       |                                       |         |   |
|-------|---------------------------------------|---------|---|
| 19    | Aspirators, Potain's.                 | 2       | Strainers, Metal, Instruments Sterlizers. |
| 47    | Batteries, Electric, induced current. | 4       | Trays, eye, needles.                      |
| 76    | Catheters, male, metal.               | 3       | Holders, Sponge.                          |
| 83    | Elevators.                            | 17      | Racks for Scalpels.                       |
| 79    | Probes.                               | 10      | Centrifuges, water.                       |
| 44    | Stethoscopes, Ordinary Wood.          | 5       | „ blood hand.                             |
| 25    | Bottles, Chloroform drop.             | 4       | „ Milk.                                   |
| 8     | Mask, Somnoform.                      | 2       | Electric, motor.                          |
| 626   | Forseps, artery, screw joints.        | 3       | Baths, Electric.                          |
| 611   | „ dressings.                          | 1       | Electric Oven.                            |
| 75    | „ Couge.                              | 1       | Bath, Electric, sand.                     |
| 83    | „ Trachoma, Windlers.                 | 1       | Ophthalmiscopes, Electric.                |
| 31    | „ Midwifery.                          | 23      | Lamps, Electric table.                    |
| 19    | Gags, mouth.                          | 1       | Relactors Tansills.                       |
| 123   | Gouges, mastoid.                      | 3       | Machine Grinding Vaccine lymph.           |
| 26    | Guillotines, Mathew's.                | 6       | Hinges for Autoclaves.                    |
| 26    | Hooks, Midwifery.                     | 1       | Oven.                                     |
| 145   | Knives, amputation.                   | 1       | Apparatus for killing flies.              |
| 70    | Bistouries, straight and curved.      | 1       | Fingers Guard.                            |
| 99    | Knives, Cartilage.                    | 1       | Air Pump.                                 |
| 3,801 | Bistouries, double, blunt and charp.  | 15      | Therms Cauteries.                         |
| 2,899 | Scalpels, eye.                        | 635     | Knives for mincing.                       |
| 54    | „ Post-mortem.                        | 1       | Switches Electric.                        |
| 209   | Lansets, vaccination.                 | 1       | Transformer.                              |
| 3,636 | Needles, Syringes, Hypodermic.        | 5       | Pelvemeter.                               |
| 148   | „ Intestine.                          |         |   |
| 3     | Perimeters, Mac Hardy's.              |         | <i>New :—</i>                             |
| 26    | Razors, Skin grafting.                | 204,000 | Lid Disks.                                |
| 23    | Retractors, various.                  | 9       | Electric Baths.                           |
| 29    | Saws, amputation.                     |         |   |
| 14    | „ Finger.                             |         | <i>Repairs :—</i>                         |
| 45    | „ Post-mortem.                        |         |   |
| 389   | Scissors, Dressings, Curved various.  | 15      | Tourniquets, Esmarch's.                   |
| 1,323 | „ Straight, various.                  | 11      | Baths, Bed.                               |
| 275   | „ Eye, various.                       | 3       | Bags, Oxygen.                             |
| 63    | Speculas, Vaginal, various.           | 2       | Thermoneters, Sterlizers, water.          |
| 20    | „ Eye                                 | 2       | Cases, metal for sterlizing syringes.     |
| 8     | Autoclaves, Steam pressure various.   | 5       | Lamps, tin, spirit for sterlizers.        |
| 28    | Sterlizers, Instruments various.      | 4       | Clips India - rubber tubes.               |
| 6     | „ Water, Various.                     | 2       | Crutches Clover's.                        |
| 172   | Kettles, dressings, various.          | 1       | Clamps, skull, post-mortem.               |
| 48    | Syringes, Brass, various.             | 3       | Machine, wafer.                           |
| 120   | „ Plague. Humane.                     | 3       | Machine, bandage rolling.                 |
| 39    | „ Hypodernic, various.                | 6       | Clippers, hair.                           |
| 42    | Hammers, Post-mortem, various.        | 3       | Knives, palette.                          |
| 101   | Trephine, Me. Ewin's.                 | 1       | Mirrors, Retinoscopy, double.             |
| 22    | Trocars, Exploring.                   | 1       | Boxes, Post-mortem Instruments.           |
| 1     | Pillows, Water.                       | 1       | Compressors, Godwin's.                    |
| 56    | Knives for Bandage cutting machine.   | 1       | Lenses. Corneal.                          |
| 148   | „ „ cleft, various.                   | 1       | Boxes, dressings, zinc.                   |
| 5     | Evacuation, apparatus.                | 1       | Autoclave, Cover.                         |
| 3     | Measures, tape.                       | 1       | Rollers, I.K.                             |
| 6     | Moulds, Suppository.                  |         |   |



SURGICAL INSTRUMENTS (contd.).  
(Repairs).

| No. | Article.                           | No. | Article.                                   |
|-----|------------------------------------|-----|--|
| 1   | Clamps, Intesting.                 | 1   | Basins, blood, Pewter.                     |
| 2   | Drills, Bone, Bevelled action.     | 1   | Syringes, urethra, Guyon's.                |
| 21  | Loops, platinun.                   | 3   | Baths, arm, zinc.                          |
| 3   | Masks face.                        | 1   | Dilators, Cervix, Hegar's.                 |
| 2   | Stands, Test tubes.                | 1   | Machine pills.                             |
| 2   | Lamps, Colour vision.              | 2   | Lithotone, double.                         |
| 1   | Irrigators, zinc 10 litres.        | 1   | Cases, wooden for Catheters.               |
| 12  | " " 2é "                           | 1   | Apparatus, washing stomach.                |
| 1   | Apparatus, Carrel's.               | 1   | Caustic cases, Vulcanite.                  |
| 1   | Stands funnel, iron.               | 1   | Distributers, wax paper.                   |
| 3   | Lithotrites, miltons, extra large. | 4   | Forks.                                     |
| 2   | Trays dressings, K.S. i.e.         | 4   | Spoons.                                    |
| 9   | Lamps, spirit glass.               | 6   | Wall plug Socket.                          |
| 2   | Spatulas, eye Lid, horn.           | 2   | Sterlizers, Instruments, Electric Heating. |
| 2   | Depressors, Uterine.               | 8   | Baths, Steam.                              |
| 1   | Urethrotone.                       | 8   | Sphygmomanometer.                          |
| 1   | Stands, urine test, complete.      | 11  | Pails, i.e., with lid, soiled dressings.   |
| 1   | Manometer for Outoclaves.          | 70  | Boxes, tin to hold scalpels.               |
| 1   | Frames, trial lenses.              | 14  | Boxes, Post-mortem Instruments.            |
| 1   | Scarificators, 12 blades.          |     |  |

TAILORS SHOPS.  
(Repairs.)

|        |                              |     |                                  |
|--------|------------------------------|-----|----------------------------------|
| 262    | Blankets, wool.              | 12  | Goans doctor.                    |
| 306    | Suits.                       | 2   | Calicos, for screens.            |
| 1, 157 | Drawers, 2nd. class.         | 3   | Suits, tamurgi, 2 pieces.        |
| 46     | Cases, calico, for traps.    | 1   | Suit, delousers, serge 3 pieces. |
| 90     | Overcoats.                   | 18  | Shirts, flannel, female.         |
| 30     | Trousers.                    | 25  | Drawers Child.                   |
| 16     | Jackets.                     | 90  | Shevrons, for shawishes 3 lines. |
| 11     | Gallabias.                   | 90  | " " " 4 "                        |
| 12     | Goans, Doctors.              | 70  | Caps, for kablas.                |
| 2      | " Quabla.                    | 1   | Suit, sailor.                    |
| 2      | Sheets, bed, 2nd. class.     | 2   | Suits, disinfector, 3 pieces.    |
| New :— |                              | 54  | Shirts, flannel, Child.          |
| 2      | Sheets, Hospital Pattern.    | 66  | Cases, for cushions, sofa.       |
| 6      | Jumpers, calico, child.      | 9   | Cover for sofa mattress.         |
| 1      | Cover for test-type boxes.   | 2   | Case for cushion small,          |
| 166    | Veils, calico, tamurgia.     | 2   | Cases for chairs 2 arms.         |
| 3      | Covers for wieghing machine. | 50  | Bandages, operation.             |
| 100    | Mosquito-nets 2nd. class.    | 20  | Mosquito-nets, square, child.    |
| 12     | Aprons, 2nd. class.          | 20  | Shirts, Lunatics.                |
| 5      | Covers, for table dinning.   | 200 | Towels operation.                |
|        |                              | 10  | Aprons, 1st. class, sisters.     |
|        |                              | 15  | Suits, blue, labourers.          |

TABLE V.—LIST SHOWING CONTRACTS MADE DURING 1924-1925.

|                             | Number of Contracts. |
|-----------------------------|----------------------|
| Equipments ... ..           | 95                   |
| Drugs ... ..                | 35                   |
| Surgical Instruments ... .. | 31                   |
| Ration ... ..               | 65                   |
| Clothing ... ..             | 5                    |
| Repairs ... ..              | 12                   |
| Forage ... ..               | 2                    |
| Miscilaneous ... ..         | 15                   |
| TOTAL ... ..                | 260                  |
| Orders 25 % ... ..          | 123                  |
| GRAND TOTAL ... ..          | 383                  |

TABLE VI.—LIST SHOWING BALANCE IN STORES UP TO 1ST. APRIL 1925.

| Name of Stores.            | Value.  |     |
|----------------------------|---------|-----|
|                            | L.E.    | M.  |
| Drugs ... ..               | 36,783  | 056 |
| Permanent ... ..           | 38,195  | 401 |
| Consumable ... ..          | 7,496   | 438 |
| Faggala... ..              | 25,737  | 486 |
| Bicycles ... ..            | 292     | 167 |
| Kohna ... ..               | 228     | 523 |
| Surgical Instruments... .. | 1,044   | 016 |
| TOTAL ... ..               | 109,777 | 087 |





## LEGAL ENACTMENTS AND LAWS.

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The following are the *Arrêtés* issued during 1924 regarding the work of the Public Health Department :—

*Arrêté* dated February 25, 1924 adding establishments for the pressing and cleaning of cotton to the schedule of Unhealthy establishments Section I (A).

*Arrêté* dated June 29, 1924 adding vegetable and fruit markets to the Schedule of Unhealthy establishments, Section II (A).

*Arrêté* dated September 21, 1924, re the application of Law No. 14-1919 which forbids the employment of adolescents under 9 years of age in cotton ginning factories, to the establishments for the pressing and cleaning of cotton.

*Arrêté* dated December 7, 1924, modifying the composition of the Board of Health.

*Arrêté* dated December 22, 1924, modifying paragraph 5 of the *Arrêté* dated October 3, 1913 relative to the transport of rags.

*Arrêté* dated December 24, 1924, adding establishments for the sifting and cleaning of crops, by mechanical machines, to the Schedule of Unhealthy establishments Section I (A).



LIST OF CONTRAVENTIONS AGAINST PUBLIC HEALTH LEGISLATION DURING 1924.

| NAME OF LAW, ETC.  | Cairo. | Port Said. | Ismailia. | Suez. | Damietta. | Qalyubiya. | Minufiya. | Gharbiya. | Dagahliya. | Sharqiya. | Behaira. | Giza. | Faiyum. | Beni Suef. | Minya. | Asyut. | (Ithya. | (Qena. | Aswan. | TOTAL. |
|--|--------|------------|-----------|-------|-----------|------------|-----------|-----------|------------|-----------|----------|-------|---------|------------|--------|--------|---------|--------|--------|--------|
|  |        |            |           |       |           |            |           |           |            |           |          |       |         |            |        |        |         |        |        |        |
| <i>Vidange and depotoirs. Arrêté of November 8, 1886, modified by Arrêté of June 2, 1910 ... ..</i>                                | 289    | 120        | —         | 21    | 10        | 5          | —         | 50        | 4          | 13        | 1        | —     | —       | —          | 1      | —      | 1       | —      | —      | 515    |
| Practice of medicine and its branches. <i>Arrêté</i> of June 13, 1891 ... ..   | 18     | 2          | 1         | —     | 1         | 3          | 12        | 18        | 17         | 5         | 12       | 2     | 3       | —          | 7      | 8      | 6       | 3      | —      | 118    |
| Practice of Dentistry. Law No. 14, 1920 ... ..   | 10     | 3          | —         | —     | —         | —          | 1         | 4         | —          | 3         | 4        | —     | —       | —          | 1      | 2      | 1       | 1      | —      | 30     |
| Vaccination. Decree of December 17, 1890, modified by Decree of August 6, 1897, and by Law No. 9 of 1917 ...                       | 653    | 58         | 31        | 2     | 7         | 56         | 195       | 275       | 204        | 199       | 241      | 80    | 157     | 70         | 216    | 228    | 143     | 150    | 43     | 3,008  |
| Enclosure of waste lands. <i>Arrêté</i> of June 15, 1893 ...   | 31     | —          | —         | 1     | —         | 1          | —         | 9         | 5          | 4         | 24       | 1     | 8       | 2          | 8      | 6      | 2       | —      | —      | 102    |
| CEMETERIES:—   |        |            |           |       |           |            |           |           |            |           |          |       |         |            |        |        |         |        |        |        |
| Inhumation, exhumation, and transport of bodies abroad. Regulations of September 15, 1876, and March 26 and October 30, 1877... .. | —      | —          | —         | —     | —         | —          | 1         | —         | —          | 3         | —        | —     | —       | —          | 4      | 3      | —       | —      | 1      | 12     |
| Transfer of cemeteries. Decree of January 29, 1894   | —      | —          | —         | —     | —         | —          | —         | —         | —          | —         | —        | 3     | —       | —          | —      | —      | —       | —      | —      | 3      |
| Enclosure of cemeteries; unauthorized inhumation. Decree of March 12, 1898 ... ..  | —      | —          | —         | —     | —         | 6          | 2         | 12        | 26         | 2         | 48       | 5     | 62      | —          | —      | 8      | 1       | —      | —      | 172    |
| PROPHYLACTIC MEASURES:—  |        |            |           |       |           |            |           |           |            |           |          |       |         |            |        |        |         |        |        |        |
| Permanent and exceptional measures to prevent epidemics. <i>Arrêts</i> of May 11, 1895, and December 19, 1904                      | —      | —          | —         | —     | —         | —          | —         | —         | 1          | —         | 2        | 18    | —       | —          | 3      | —      | —       | —      | —      | 24     |
| Oysters and shell-fish during epidemics. <i>Arrêté</i> of June 16, 1912 ... ..   | —      | —          | —         | —     | —         | —          | —         | —         | —          | —         | —        | —     | —       | —          | —      | —      | —       | —      | —      | —      |
| Cholera. <i>Arrêté</i> of October 17, 1895, and supplementary <i>Arrêté</i> of May 30, 1896 ... ..                                 | —      | —          | —         | —     | —         | —          | —         | —         | —          | —         | —        | —     | —       | —          | —      | —      | —       | —      | —      | —      |
| Plague and cholera. Decree of May 27, 1899, modified by Laws No. 3 of 1911, and No. 10 of 1913 ... ..                              | —      | —          | —         | —     | —         | —          | 6         | 1         | 4          | —         | —        | —     | 14      | —          | 16     | 4      | 2       | —      | —      | 47     |
| Disinfection of houses during epidemics. <i>Arrêts</i> of May 23 and June 26, 1901 ... ..  | —      | —          | —         | —     | —         | —          | —         | —         | —          | —         | —        | —     | —       | —          | —      | —      | —       | —      | —      | —      |
| Passenger control in case of cholera abroad. <i>Arrêté</i> of January 21, 1911 ... ..  | 12     | 3          | —         | —     | 2         | —          | —         | —         | 2          | —         | —        | 2     | 2       | —          | —      | 3      | —       | —      | —      | 26     |

[illegible]



## MEDICAL AND ALLIED PERMITS.

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During the year 1924, permits to practise their professions in Egypt were issued to:—

- 185 Doctors.
- 44 Pharmacists.
- 33 Assistant-Pharmacists.
- 13 Dentists.
- 2 Veterinary Surgeons.
- 22 Midwives.











